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AIBUS

支持系列: UDIAN Automation AI-501, AI-518, AI-519, AI-701, AI-702M, AI-704M, AI-706M, AI-719.

网站: <http://www.yudian.us>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------|-------------|----|
| PLC 类型 | AIBUS | | |
| PLC 界面 | RS485 2W | RS232 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 2 | | |
| HMI 站号 | 0 | | |
| PLC 站号 | 1 | 0-100 | |

| | | |
|------|-----|--|
| 在线仿真 | YES | |
| 扩展模式 | NO | |

设备类型:

AI-518

| Bit/Word | 设备类型 | | 格式 | 范围 | 注释 |
|----------|------|-----|----|--------------|---------|
| W | 0 | 00H | DD | | SV/STEP |
| W | 1 | 01H | DD | -1999 ~ 9999 | HIAL |
| W | 2 | 02H | DD | -1999 ~ 9999 | LoAL |
| W | 3 | 03H | DD | 0 ~ 9999 | dHAL |

| | | | | | |
|---|----|-----|----|-----------------------|-----------------------------------------------------------------------|
| W | 4 | 04H | DD | 0 ~ 9999 | dLAL |
| W | 5 | 05H | DD | 0 ~ 2000 | dF |
| W | 6 | 06H | DD | 0 ~ 4 | Ctrl |
| W | 7 | 07H | DD | 0 ~ 9999 | M5 |
| W | 8 | 08H | DD | 1 ~ 9999 | P |
| W | 9 | 09H | DD | 0 ~ 2000 | t |
| W | 10 | 0AH | DD | 0 ~ 125 | Ctl |
| W | 11 | 0BH | DD | 0 ~ 37 | Sn (只读) |
| W | 12 | 0CH | DD | 0 ~ 3 | dIP (只读) |
| W | 13 | 0DH | DD | -1999 ~ 9999 | dIL |
| W | 14 | 0EH | DD | -1999 ~ 9999 | dIH |
| W | 15 | 0FH | DD | 0 ~ 9999 | ALP |
| W | 16 | 10H | DD | -1999 ~ 4000 0.1°C | Sc |
| W | 17 | 11H | DD | 0 ~ 48 | Op1 |
| W | 18 | 12H | DD | -110 ~ 110% | oPL |
| W | 19 | 13H | DD | 0 ~ 110% | oPH |
| W | 20 | 14H | DD | 0 ~ 127 | CF (只读) |
| W | 21 | 15H | DD | 0 ~ 19.2K | 传输速率 (bAud) /808Pstatus word: run: 0 suspend: 4 stop: 12 (只读) |
| W | 22 | 16H | DD | 0 ~ 100 | ADDR |
| W | 23 | 17H | DD | 0 ~ 20 | dL |
| W | 24 | 18H | DD | 0 ~ 127 | Run |
| W | 25 | 19H | DD | 0 ~ 9999 | Loc |



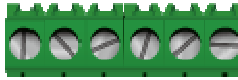
AI-701

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|----|----|----|
|----------|------|----|----|----|



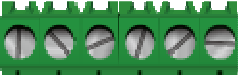
| | | | | | |
|---|----|-----|----|-----------------------|-----------------------------------------------------------------------|
| W | 1 | 01H | DD | -9990 ~ 30000 | HIAL |
| W | 2 | 02H | DD | -9990 ~ 30000 | LoAL |
| W | 3 | 03H | DD | -9990 ~ 30000 | HdAL |
| W | 4 | 04H | DD | -9990 ~ 30000 | LdAL |
| W | 5 | 05H | DD | 0 ~ 2000 | AHYS |
| W | 11 | 0BH | DD | 0 ~ 37 | InP (只读) |
| W | 12 | 0CH | DD | 0 ~ 3 | dPt |
| W | 13 | 0DH | DD | -9999 ~ 30000 | SCL |
| W | 14 | 0EH | DD | -9999 ~ 30000 | SCH |
| W | 15 | 0FH | DD | 0 ~ 4444 | AOP |
| W | 16 | 10H | DD | -1999 ~ 4000 0.1°C | Scb |
| W | 17 | 11H | DD | 0 ~ 48 | Opt |
| W | 21 | 15H | DD | 0 ~ 19.2K | 传输速率 (bAud) /808P status word run: 0 suspend: 4 stop: 12 (只读) |
| W | 22 | 16H | DD | 0 ~ 80 | ADDR |
| W | 23 | 17H | DD | 0 ~ 40 | FILt |
| W | 25 | 19H | DD | 0 ~ 255 | Loc |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W terminal |
| 1 RX- | 6 Data- | | 4 COMM A |
| 2 RX+ | 9 Data+ | | 3 COMM B |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W terminal |
| 1 RX- | 7 Data- | | 4 COMM A |
| 2 RX+ | 8 Data+ | | 3 COMM B |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Dec/30/2008 | |

Allen-Bradley CompactLogix – Free Tag Names

网站: <http://www.ab.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------------------------|--------------------|----|
| PLC 类型 | Allen-Bradley CompactLogix – Free Tag Names | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | 9600, 19200, 38400 | |
| 校验 bit | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 1 | 1-31 | |

PLC 设定 :

| | |
|------|-----------------------------------------------------------------------------------------|
| 通讯模式 | DF1 Full Duplex protocol 19200, None, 8, 1 (预设) Error Check: BCC, Station Address: 1 |
|------|-----------------------------------------------------------------------------------------|





设备类型:

| PLC 数据类型名称 | Bit/Word | EasyBuilder 数据格式 | 注释 |
|------------|----------|------------------|----|
| BOOL | Boolean | Bit object | |
| BitArray | | | |



| | | | |
|------|---------------------------|-------------------------|---------------------------|
| SINT | | | |
| INT | Integer | 16-bit signed, ASCII | -32768~32767 |
| DINT | Double Integer | 32-bit signed | $-2^{31} \sim (2^{31}-1)$ |
| REAL | Single Precision Float | 32-bit Float | IEEE 754 |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | AB CPU CH0 RS232 9P D-Sub Female |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | AB CPU CH0 RS232 9P D-Sub Female |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | May/31/2011 | 发布驱动程序 |

Allen-Bradley CompactLogix/FlexLogix

支持系列: Allen-Bradley ControlLogix, CompactLogix, FlexLogix CH0 DF1.

网站: <http://www.ab.com>

HMI 设定

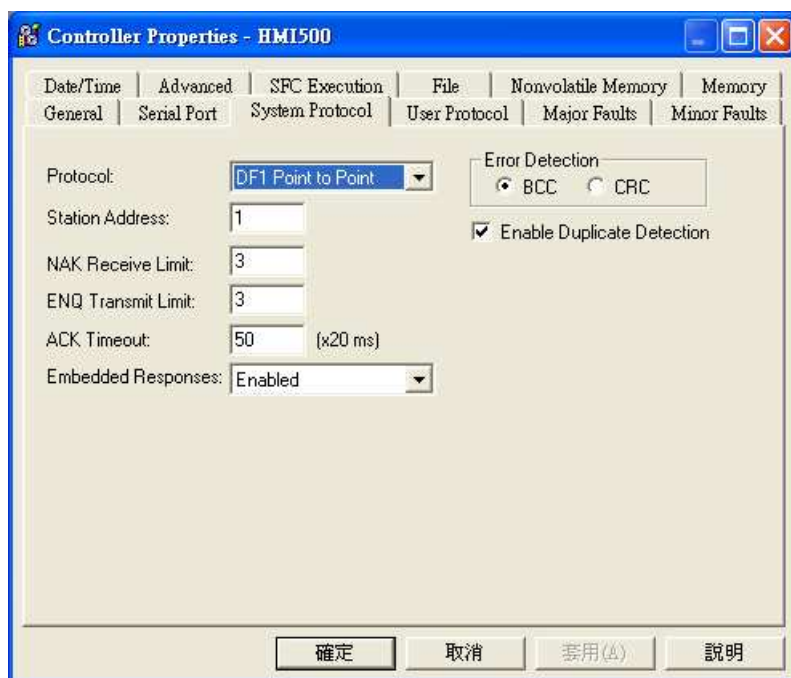
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------------|--------------------|----|
| PLC 类型 | Allen-Bradley CompactLogix/FlexLogix | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 1 | 1-31 | |

PLC 设定 :

| | |
|------|-----------------------------------------------------------------------------------------|
| 通讯模式 | DF1 Full Duplex protocol 19200, None, 8, 1 (预设) Error Check: BCC, Station Address: 1 |
|------|-----------------------------------------------------------------------------------------|

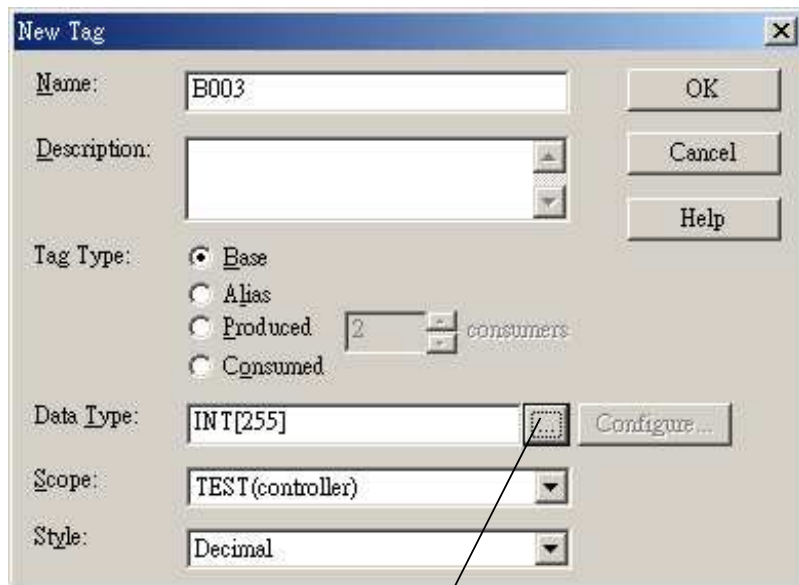


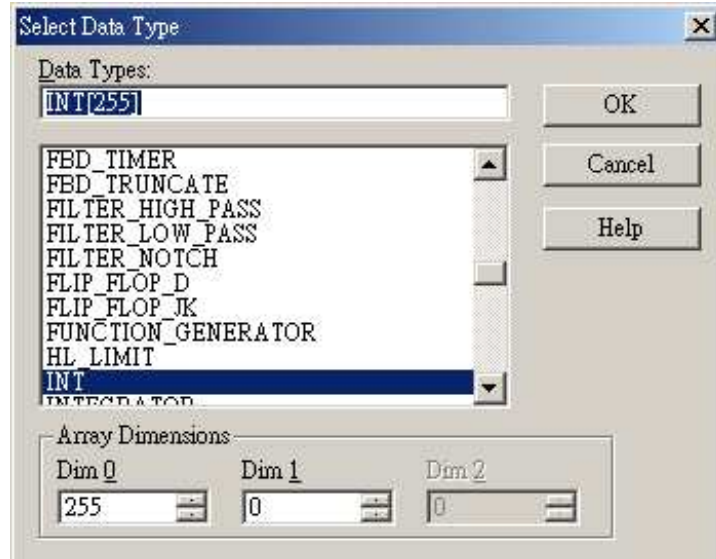
ControlLogix, CompactLogix CPU CH0 设定:



新增标签:

名称格式必须使用 4 chars ,例如 B003、T004、C005、N007 和 F008 ,不能使用 2 或 3 chars ,
例如 B03 或 B3 是不合法的。









设备类型:



| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|---------|-----------|--------------|----------------------------------------------|
| B | B_BOOL | FFFDDDDdd | 0 ~ 25525515 | Bit data file |
| B | N_BOOL | FFFDDDDdd | 0 ~ 25525515 | Integer data file bit level (N7, 10 ~ 255) |
| DW | Tx.ACC | FFFDDD | 0 ~ 255255 | Timer Accumulator Value (T4, T10 ~ 255) |
| DW | Tx.PRE | FFFDDD | 0 ~ 255255 | Timer Preset Value (T4, T10 ~ 255) |
| DW | Nx_INT | FFFDDD | 0 ~ 255255 | Integer data file (N7, 10 ~ 255) |
| W | Bx_INT | FFFDDD | 0 ~ 255255 | Bit data file word level |
| DW | Cx.ACC | FFFDDD | 0 ~ 255255 | Counter Accumulator Value (C5, C10 ~ 255) |
| DW | Cx.PRE | FFFDDD | 0 ~ 255255 | Counter Preset Value (C5, C10 ~ 255) |
| W | F8_REAL | DDD | 0 ~ 255 | Floating point data file (F8) |
| W | Fx_REAL | FFFDDD | 0 ~ 255255 | Floating point data file (F008, F010 ~ F255) |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | AB CPU CH0 RS232 9P D-Sub Female |
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | AB CPU CH0 RS232 9P D-Sub Female |
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Dec/30/2008 | |

Allen-Bradley DF1

支持系列: Allen-Bradley MicroLogix 1000, 1100, 1200, 1400, 1500, SLC 5/03, 5/04, 5/05.

网站: <http://www.ab.com>

注释: Allen-Bradley DF1 驱动程序是使用 CRC 的检查码。

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|--------------------|----|
| PLC 类型 | Allen-Bradley DF1 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 1 | 1-31 | |

PLC 设定 :

| | |
|------|---------------------------------------------------------------------|
| 通讯模式 | DF1 Full Duplex protocol 19200, None, 8, 1 (预设) Error Check: CRC |
|------|---------------------------------------------------------------------|

设备类型:





| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|----------|---------|--------------|------------------------------|
| B | I1 | DDDdd | 0 ~ 25515 | Input (I) |
| B | O0 | DDDdd | 0 ~ 25515 | Output (O) |
| B | B3 | DDDdd | 0 ~ 25515 | Bit data file (B3) |
| B | B10 ~ 13 | DDDdd | 0 ~ 25515 | Bit data file (B10 ~ 13) |
| B | S_Bit | DDDdd | 0 ~ 25515 | Status (S) bit level |
| B | Bfn | FFFDDDD | 0 ~ 25525515 | Bit data file (B3, 10 ~ 254) |

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|----------|-----------|--------------|--------------------------------------------|
| B | NfnBit | FFFDDDDdd | 0 ~ 25525515 | Integer data file bit level (N7, 10 ~ 254) |
| W | T4SV | DDD | 0 ~ 255 | Timer Preset Value (T4) |
| W | T4PV | DDD | 0 ~ 255 | Timer Accumulator Value (T4) |
| W | C5SV | DDD | 0 ~ 255 | Counter Preset Value (C5) |
| W | C5PV | DDD | 0 ~ 255 | Counter Accumulator Value (C5) |
| W | TfnSV | FFFDDD | 0 ~ 255255 | Timer Preset Value |
| W | TfnPV | FFFDDD | 0 ~ 255255 | Timer Accumulator Value |
| W | CfnSV | FFFDDD | 0 ~ 255255 | Counter Preset Value |
| W | CfnPV | FFFDDD | 0 ~ 255255 | Counter Accumulator Value |
| W | N7 | DDD | 0 ~ 255 | Integer data file (N7) |
| W | N10 ~ 15 | DDD | 0 ~ 255 | Integer data file (N10 ~ 15) |
| W | Nfn | FFFDDD | 0 ~ 255255 | Integer data file (N7, 10 ~ 254) |
| W | S | DDD | 0 ~ 255 | Status (S) |
| W | F8 | DDD | 0 ~ 255 | Floating point data file (F8) |
| W | Ffn | FFFDDD | 0 ~ 255255 | |
| W | Lfn | FFFDDD | 0 ~ 255255 | |

接线图:



9P D-Sub to 8P Mini-DIN: MicroLogix 1000, 1100, 1200, 1400, 1500

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | MicroLogix RS232 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 7 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 2 GND |
|  |  |  |  |





MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | MicroLogix RS232 8P Mini-DIN Male |
|-------------------------------|--|--|--------------------------------------|
| 9 RX | | | 7 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 2 GND |



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

9P D-Sub to 9P D-Sub: SLC5/03, 04, 05 CH0

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | AB CPU CH0 RS232 9P D-Sub Female |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | AB CPU CH0 RS232 9P D-Sub Female |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V2.20 | Jan/05/2010 | |

Allen-Bradley DF1 (BCC)

支持系列: Allen-Bradley MicroLogix 1000, 1100, 1200, 1500, SLC 5/03, 5/04, 5/05.

网站: <http://www.ab.com>

注释: Allen-Bradley DF1 (BCC) 和 Allen-Bradley DF1 相同, 唯一不同的地方只有使用 BCC 的检查码不同。

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------|--------------------|----|
| PLC 类型 | Allen-Bradley DF1 (BCC) | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 1 | 1-31 | |

PLC 设定 :

| | |
|------|---------------------------------------------------------------------|
| 通讯模式 | DF1 Full Duplex protocol 19200, None, 8, 1 (预设) Error Check: CRC |
|------|---------------------------------------------------------------------|

设备类型:





| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|--------------------|
| B | I1 | DDDdd | 0 ~ 25515 | Input (I) |
| B | O0 | DDDdd | 0 ~ 25515 | Output (O) |
| B | B3 | DDDdd | 0 ~ 25515 | Bit data file (B3) |

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|----------|-----------|--------------|--------------------------------------------|
| B | B10 ~ 13 | DDDdd | 0 ~ 25515 | Bit data file (B10 ~ 13) |
| B | S_Bit | DDDdd | 0 ~ 25515 | Status (S) bit level |
| B | Bfn | FFFDDDDdd | 0 ~ 25525515 | Bit data file (B3, 10 ~ 254) |
| B | NfnBit | FFFDDDDdd | 0 ~ 25525515 | Integer data file bit level (N7, 10 ~ 254) |
| W | T4SV | DDD | 0 ~ 255 | Timer Preset Value (T4) |
| W | T4PV | DDD | 0 ~ 255 | Timer Accumulator Value (T4) |
| W | C5SV | DDD | 0 ~ 255 | Counter Preset Value (C5) |
| W | C5PV | DDD | 0 ~ 255 | Counter Accumulator Value (C5) |
| W | TfnSV | FFFDDD | 0 ~ 255255 | Timer Preset Value |
| W | TfnPV | FFFDDD | 0 ~ 255255 | Timer Accumulator Value |
| W | CfnSV | FFFDDD | 0 ~ 255255 | Counter Preset Value |
| W | CfnPV | FFFDDD | 0 ~ 255255 | Counter Accumulator Value |
| W | N7 | DDD | 0 ~ 255 | Integer data file (N7) |
| W | N10~15 | DDD | 0 ~ 255 | Integer data file (N10 ~ 15) |
| W | Nfn | FFFDDD | 0 ~ 255255 | Integer data file (N7, 10 ~ 254) |
| W | S | DDD | 0 ~ 255 | Status (S) |
| W | F8 | DDD | 0 ~ 255 | Floating point data file (F8) |
| W | Ffn | FFFDDD | 0 ~ 255255 | |
| W | Lfn | FFFDDD | 0 ~ 255255 | |

接线图:



9P D-Sub to 8P Mini-DIN: MicroLogix 1000, 1100, 1200, 1500

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | MicroLogix RS232 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 7 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 2 GND |
|  |  |  |  |





MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | MicroLogix RS232 8P Mini-DIN Male |
|-------------------------------|--|--|--------------------------------------|
| 9 RX | | | 7 TXD |



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 6 TX | | | 4 RXD |
| 5 GND | | | 2 GND |
|  | | |  |

9P D-Sub to 9P D-Sub: SLC5/03, 04, 05 CH0

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | AB CPU CH0 RS232 9P D-Sub Female |
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | AB CPU CH0 RS232 9P D-Sub Female |
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V2.30 | Apr/26/2010 | |

Allen-Bradley DH485

支持系列: Allen-Bradley MicroLogix 1000, 1100, 1200, 1500, SLC 5/03, 5/04, 5/05.

网站: <http://www.ab.com>

HMI 设定

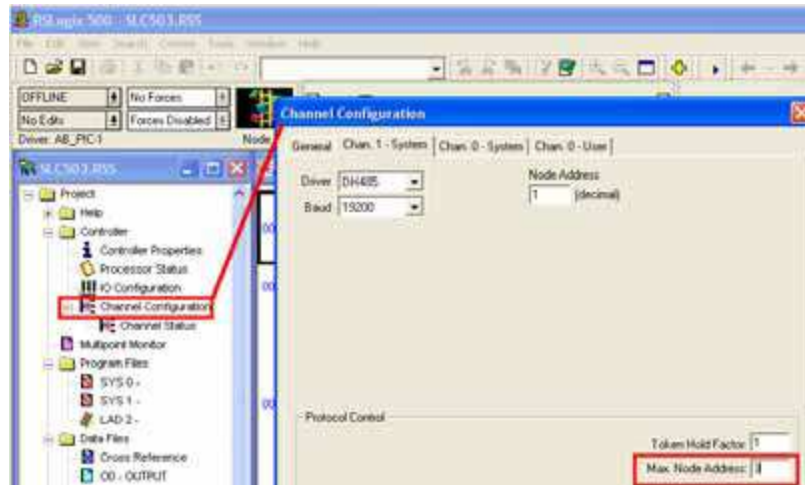
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------|-------------|----|
| PLC 类型 | Allen-Bradley DH485 | | |
| PLC 界面 | RS485 2W | RS232 | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| HMI 站号 | 0 | 2 | |
| PLC 站号 | 1 | 1-31 | |

| | | |
|------|-----|--|
| 在线仿真 | YES | |
| 扩展模式 | NO | |

PLC 设定 :

| | |
|------|---------------------------|
| 通讯模式 | DH485 protocol 19200 (预设) |
|------|---------------------------|

设定最大的地址必须符合 PLC 个数




设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|----------|----------|--------------|--------------------------------------------|
| B | I1 | DDDdd | 0 ~ 25515 | Input (I) |
| B | O0 | DDDdd | 0 ~ 25515 | Output (O) |
| B | B3 | DDDdd | 0 ~ 25515 | Bit data file (B3) |
| B | B10 ~ 13 | DDDdd | 0 ~ 25515 | Bit data file (B10 ~ 13) |
| B | Bfn | FFFDDDdd | 0 ~ 25525515 | Bit data file (B3, 10 ~ 254) |
| B | NfnBit | FFFDDDdd | 0 ~ 25525515 | Integer data file bit level (N7, 10 ~ 254) |
| B | S_Bit | DDDdd | 0 ~ 25515 | Status file |
| W | T4SV | DDD | 0 ~ 255 | Timer Preset Value (T4) |
| W | T4PV | DDD | 0 ~ 255 | Timer Accumulator Value (T4) |
| W | C5SV | DDD | 0 ~ 255 | Counter Preset Value (C5) |
| W | C5PV | DDD | 0 ~ 255 | Counter Accumulator Value (C5) |
| W | TfnSV | FFFDDD | 0 ~ 255255 | Timer Preset Value |
| W | TfnPV | FFFDDD | 0 ~ 255255 | Timer Accumulator Value |
| W | CfnSV | FFFDDD | 0 ~ 255255 | Counter Preset Value |
| W | CfnPV | FFFDDD | 0 ~ 255255 | Counter Accumulator |




| | | | | Value |
|---|----------|--------|------------|----------------------------------|
| W | F8 | DDD | 0 ~ 255 | Floating point data file (F8) |
| W | N7 | DDD | 0 ~ 255 | Integer data file (N7) |
| W | N10 ~ 15 | DDD | 0 ~ 255 | Integer data file (N10 ~ 15) |
| W | Nfn | FFFDDD | 0 ~ 255255 | Integer data file (N7, 10 ~ 254) |
| W | S | DDD | 0 ~ 255 | Status file |

接线图:
RS-485: SLC500 Fixed type, SLC5/01, 02, 03 CH1.
HMI can't connect to 1747-AIC peripheral port.

MT6000/8000 series except MT6050i/MT8050i




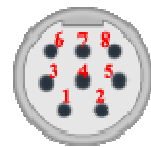
| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | AB SLC500 DH485 RJ8 Male |
| 1 RX- | 6 Data- | | 2 SDB |
| 2 RX+ | 9 Data+ | | 1 SDA |
| 5 GND | 5 GND | | 7 GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | AB SLC500 DH485 RJ8 Male |
| 1 RX- | 7 Data- | | 2 SDB |
| 2 RX+ | 8 Data+ | | 1 SDA |
| 5 GND | 5 GND | | 7 GND |
|  |  | |  |



9P D-Sub to 8P Mini-DIN: MicroLogix 1000, 1100, 1200, and 1500 must set DH485 protocol.

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | MicroLogix RS232 8P Mini-DIN Male |
| 2 RX | 6 RX | 8 RX | 7 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 2 GND |
|  |  |  |  |





MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|--------------------------------------|
| COM1 RS232 9P D-Sub Female | | | MicroLogix RS232 8P Mini-DIN Male |
|-------------------------------|--|--|--------------------------------------|



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 9 RX | | | 7 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 2 GND |
|  | | |  |

9P D-Sub to 9P D-Sub: SLC5/03, 04, 05 CH0 must set DH485 protocol.

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | AB CPU CH0 RS232 9P D-Sub Female |
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | AB CPU CH0 RS232 9P D-Sub Female |
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

注释: AB DH485 只支持 X 系列.

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Apr/17/2009 | |

Allen-Bradley EtherNet/IP (CompactLogix)

支持系列: Allen-Bradley ControlLogix, CompactLogix, FlexLogix Ethernet.

网站: <http://www.ab.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------------------------------|----|----|
| PLC 类型 | Allen-Bradley EtherNet/IP (CompactLogix) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 44818 | | |
| PLC 站号 | 1 | | |

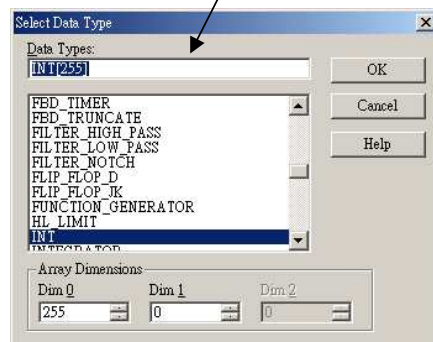
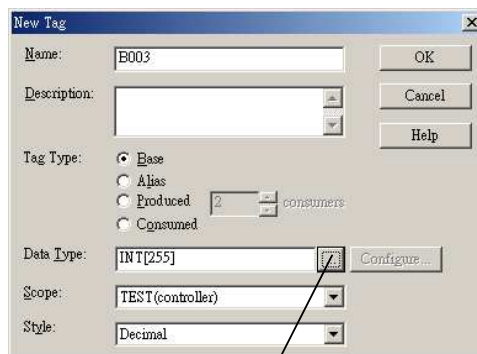
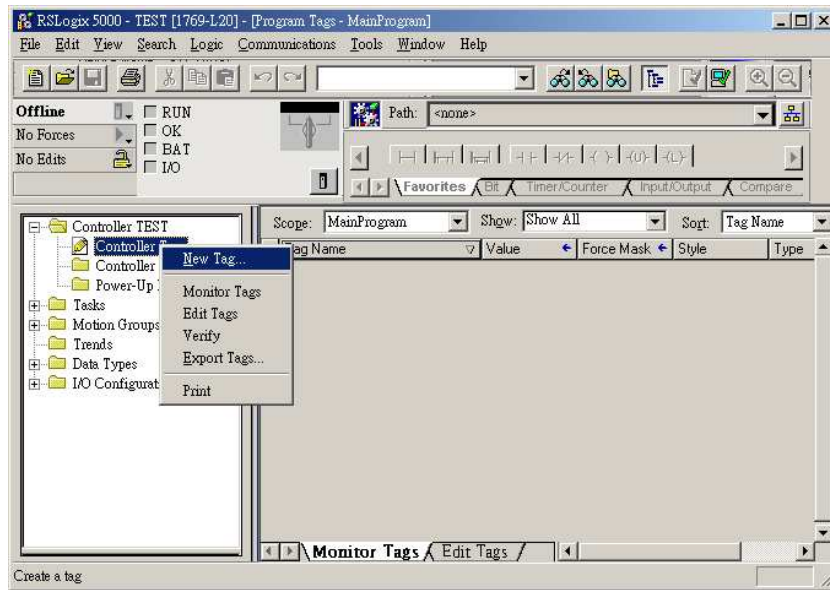
PLC 设定 :

RSLogix 5000 设定

新增标签:

名称格式必须使用 4 chars ,例如 B003、T004、C005、N007 和 F008 ,不能使用 2 或 3 chars ,

例如 B03 或 B3 是不合法的。



设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|---------|----------|--------------|-------------------------------------------|
| B | Bx_BOOL | FFFDDDDd | 0 ~ 25525515 | Bit data file |
| B | Nx_BOOL | FFFDDDDd | 0 ~ 25525515 | Integer data file bit level (N7, 10 ~ 99) |

| | | | | |
|--------|---------|--------|------------|----------------------------------------------|
| W | Bx_INT | FFFDDD | 0 ~ 255255 | Bit data file word level |
| W | Nx_INT | FFFDDD | 0 ~ 255255 | Integer data file (N7, 10 ~ 99) |
| DW (F) | F8_REAL | DDD | 0 ~ 255 | Floating point data file (F8) |
| DW (F) | Fx_REAL | FFFDDD | 0 ~ 255255 | Floating point data file (F8) |
| DW | Cx.ACC | FFFDDD | 0 ~ 255255 | Counter Accumulator Value (C5, C10 ~ 255) |
| DW | Cx.PRE | FFFDDD | 0 ~ 255255 | Counter Preset Value (C5, C10 ~ 255) |
| DW | Tx.ACC | FFFDDD | 0 ~ 255255 | Timer Accumulator Value (T4, T10 ~ 255) |
| DW | Tx.PRE | FFFDDD | 0 ~ 255255 | Timer Preset Value (T4, T10 ~ 255) |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Dec/30/2008 | |

Allen-Bradley EtherNet/IP (CompactLogix) – Free Tag Names

支持系列: Allen-Bradley CompactLogix, FlexLogix Ethernet

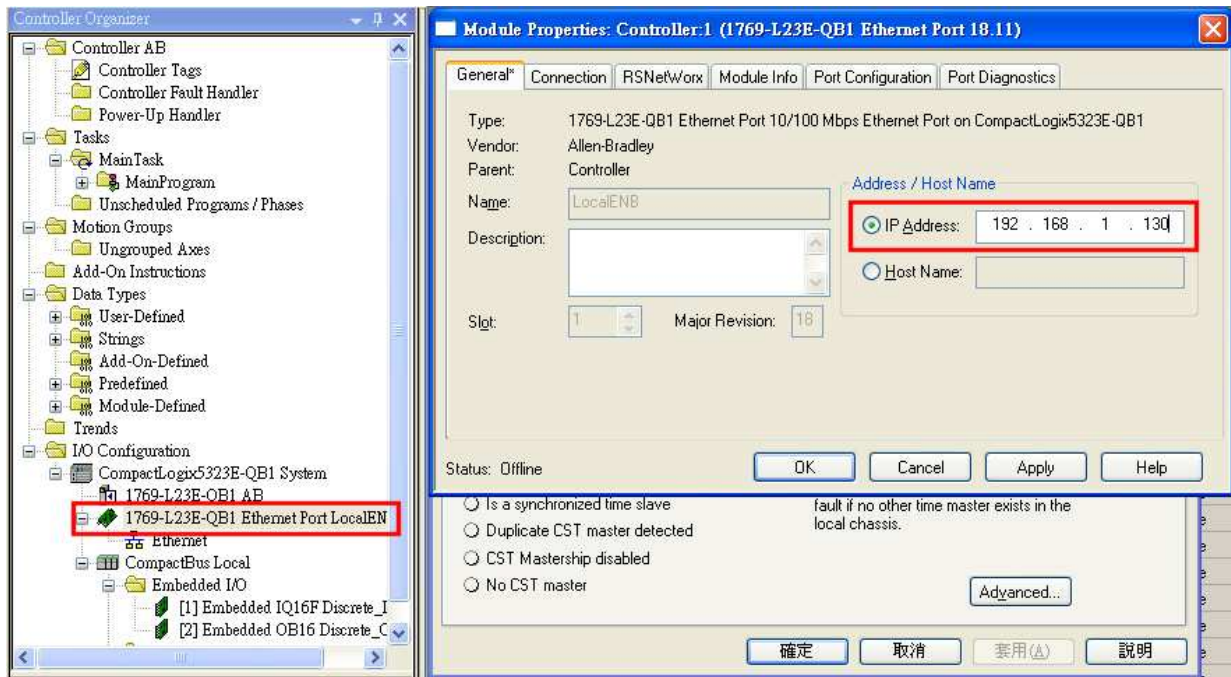
网站: <http://www.ab.com>

HMI 设定

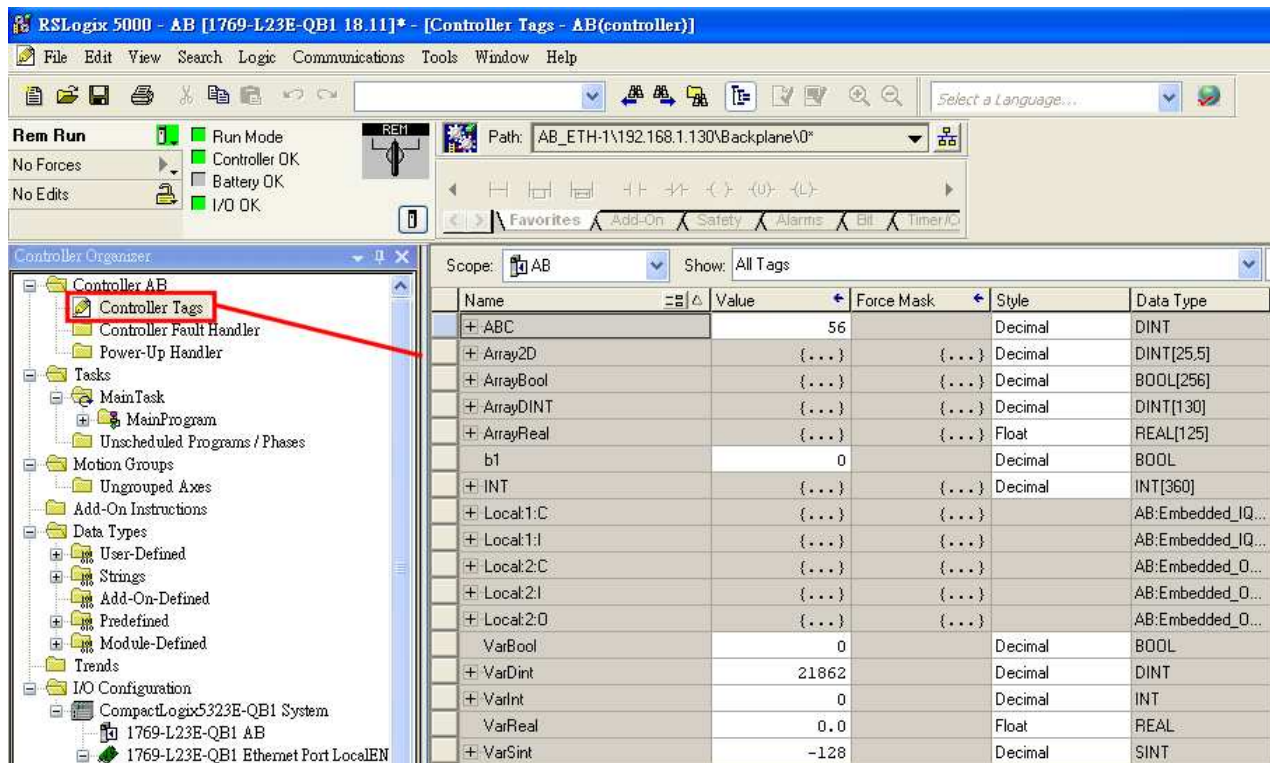
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------------------------------------|----|----|
| PLC 类型 | Allen-Bradley EtherNet/IP (CompactLogix) – Free Tag Names | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 44818 | | |
| PLC 站号 | 1 | | |

PLC 设定 :

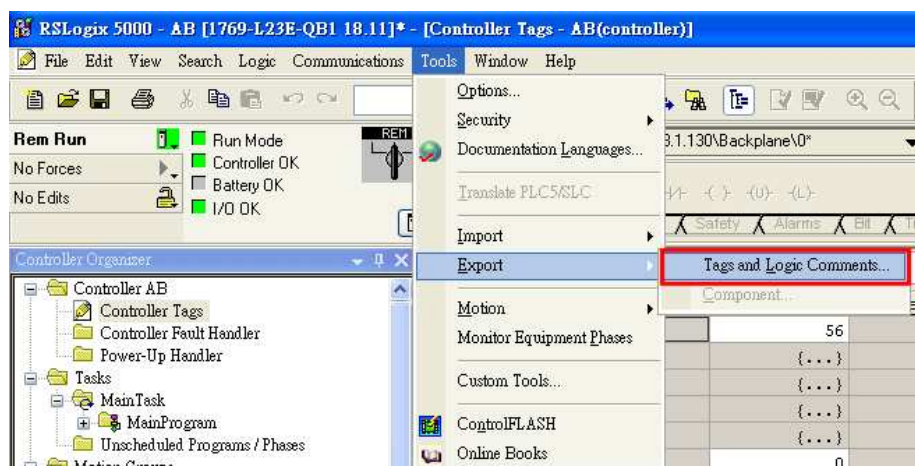
1. 设定 PLC 网络地址.



2. 新增标签.

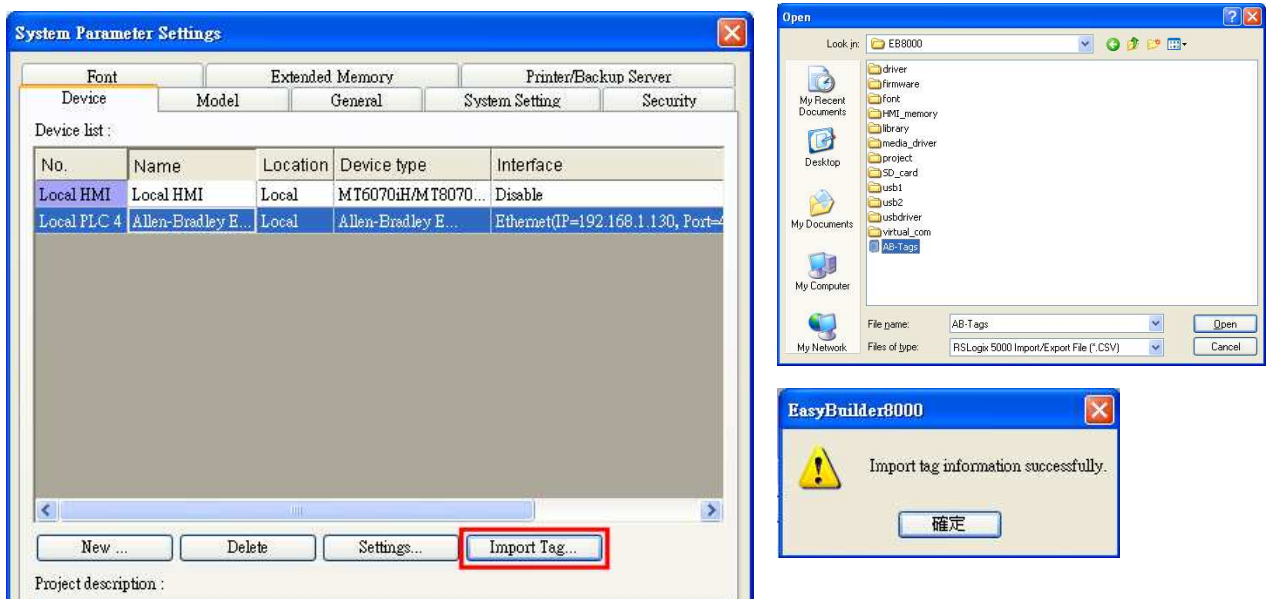


3. 汇出卷标数据为 CSV 档案.

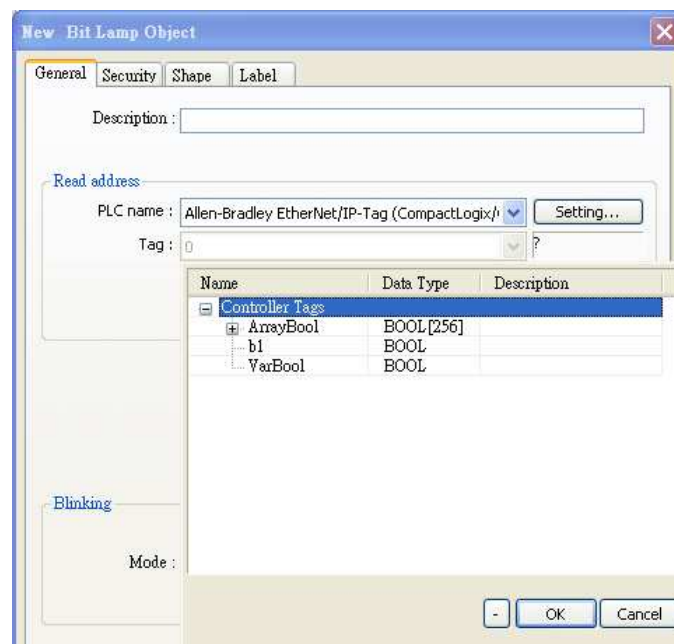


4. 在 EASYBUILDER PRO, 新增 Allen-Bradley EtherNet/IP-Tag (CompactLogix)驱动程序.

输入 PLC 网络地址. 在系统参数设定, 点选 [Import Tag...] 按钮.



5. 在对象对话框，选择 PLC 点选标签和选择 controller tag.



设备类型:


| PLC 数据类型名称 | Bit/Word | EASYBUILDER PRO data 格式 | 注释 |
|------------|----------------|-------------------------|---------------------------|
| BOOL | Boolean | Bit object | |
| BitArray | | | |
| SINT | | | |
| INT | Integer | 16-bit signed, ASCII | -32768 ~ 32767 |
| DINT | Double Integer | 32-bit signed | $-2^{31} \sim (2^{31}-1)$ |

| | | | |
|------|------------------------|--------------|----------|
| REAL | Single Precision Float | 32-bit Float | IEEE 754 |
|------|------------------------|--------------|----------|

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Aug/25/2010 | |

Allen-Bradley EtherNet/IP (ControlLogix) – Free Tag Names

支持系列: Allen-Bradley ControlLogix, CompactLogix, FlexLogix Ethernet.

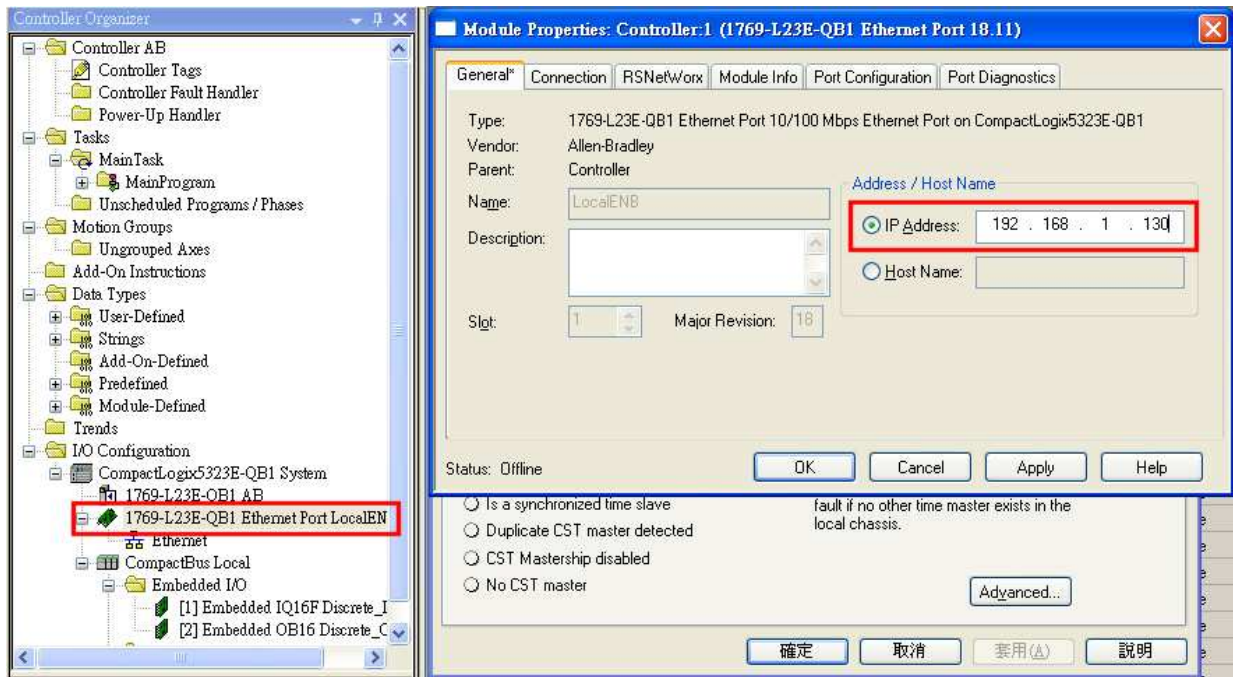
网站: <http://www.ab.com>

HMI 设定

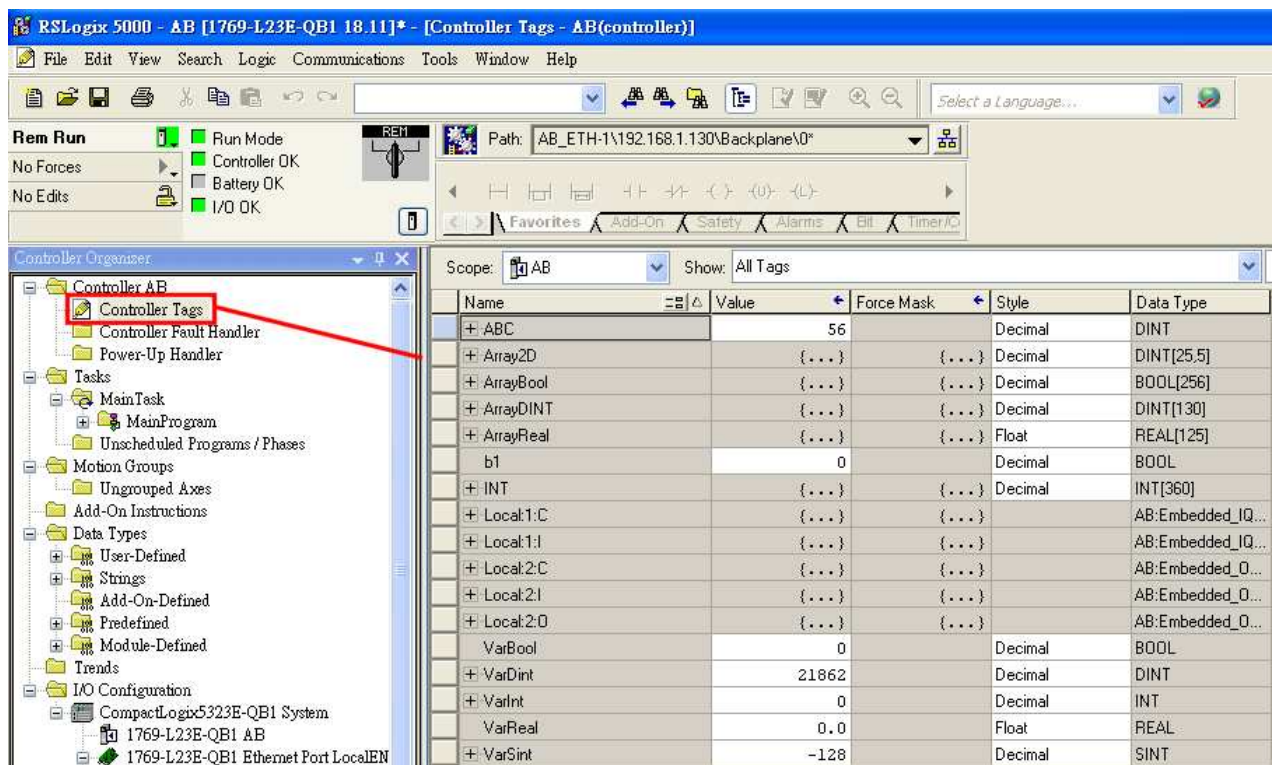
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------------------------------------|----|----|
| PLC 类型 | Allen-Bradley EtherNet/IP (ControlLogix) – Free Tag Names | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 44818 | | |
| PLC 站号 | The same as CPU Slot No. | | |

PLC 设定 :

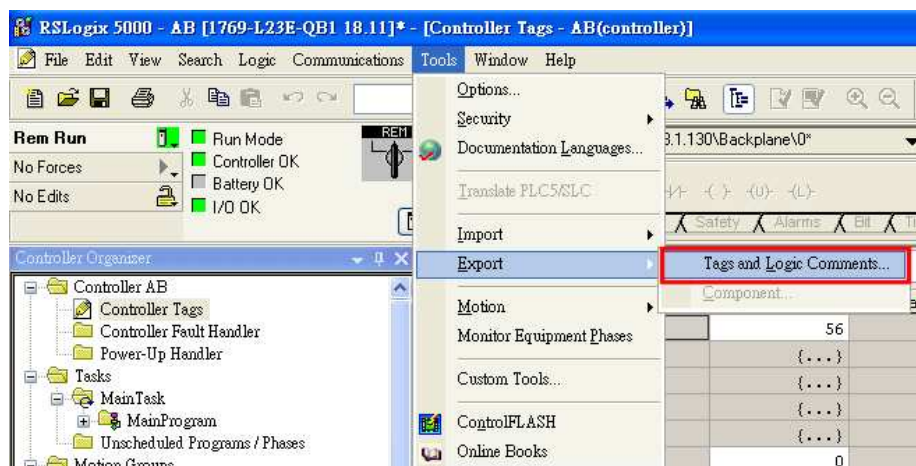
1. 设定 PLC 的 IP 地址.



2. 新增标签.

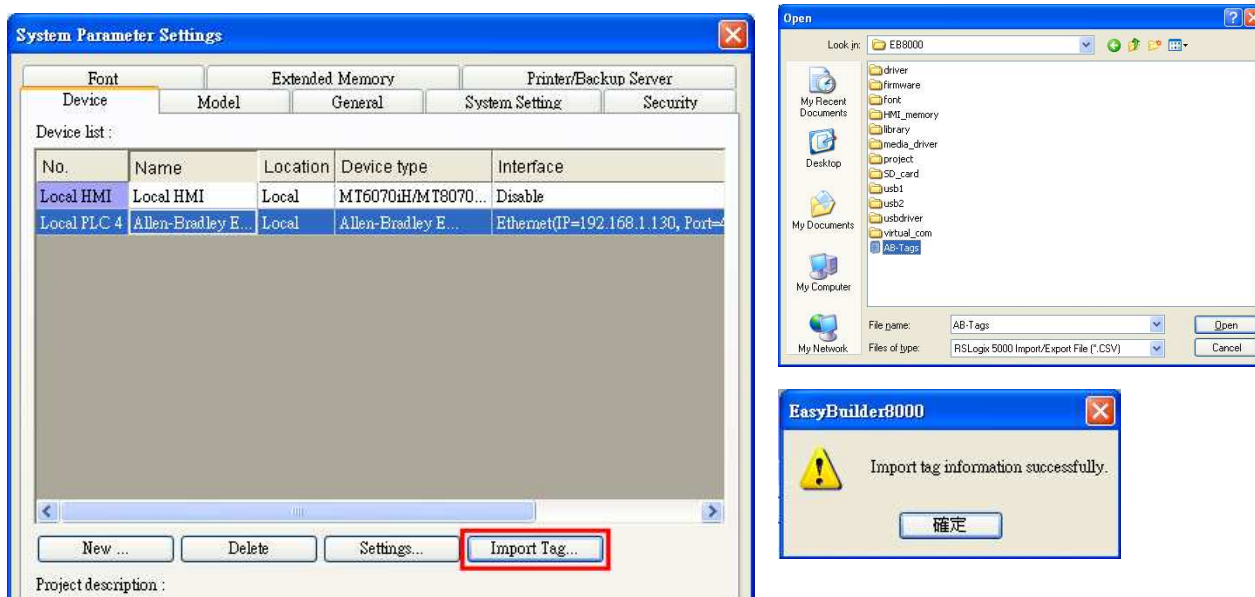


3. 汇出卷标数据为 CSV 档案.

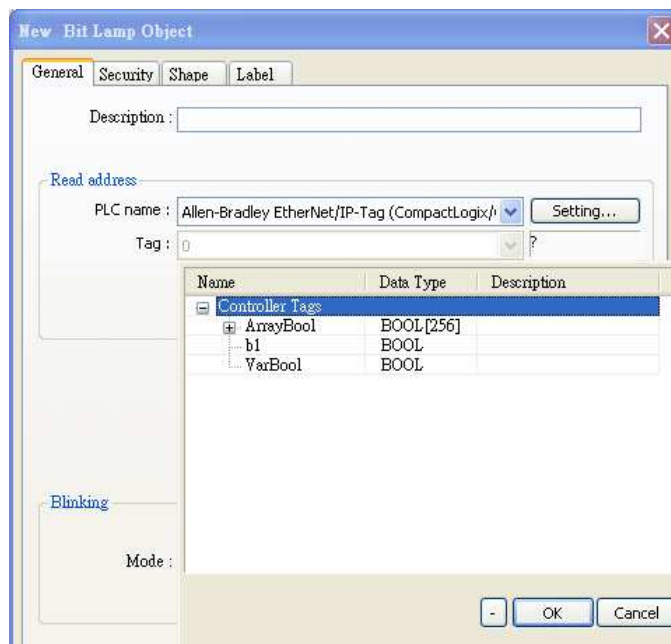


4. 在 EASYBUILDER PRO 新增 Allen-Bradley EtherNet/IP-Tag (CompactLogix)驱动程序.

输入 PLC 的 IP 地址. 在系统参数设定, 点选 [Import Tag...] 按钮.



5. 在对象对话框, 选择 PLC 点选标签和选择 controller tag.




设备类型:

| PLC 数据类型名称 | Bit/Word | EASYBUILDER PRO data 格式 | 注释 |
|------------|------------------------|-------------------------|---------------------------|
| BOOL | Boolean | Bit object | |
| BitArray | | | |
| SINT | | | |
| INT | Integer | 16-bit signed, ASCII | -32768 ~ 32767 |
| DINT | Double Integer | 32-bit signed | $-2^{31} \sim (2^{31}-1)$ |
| REAL | Single Precision Float | 32-bit Float | IEEE 754 |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Oct/05/2010 | |

Allen-Bradley EtherNet/IP (DF1)

支持系列: Allen-Bradley MicroLogix 1100, 1400, SLC5/05 Ethernet port.

MicroLogix1000, 1200, 1500, SLC 5/03, 5/04 with 1761-NET-ENI

网站: <http://www.ab.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|------------|---------------------------------|----|----|
| PLC 类型 | Allen-Bradley EtherNet/IP (DF1) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 44818 | | |
| HMI st no. | 0 | | |
| PLC 站号 | 1 | | |

PLC 设定 :

| | |
|------|----------------------------------------------|
| 通讯模式 | Port 设定: 10/100 Mbps Full Duplex/Half Duplex |
|------|----------------------------------------------|

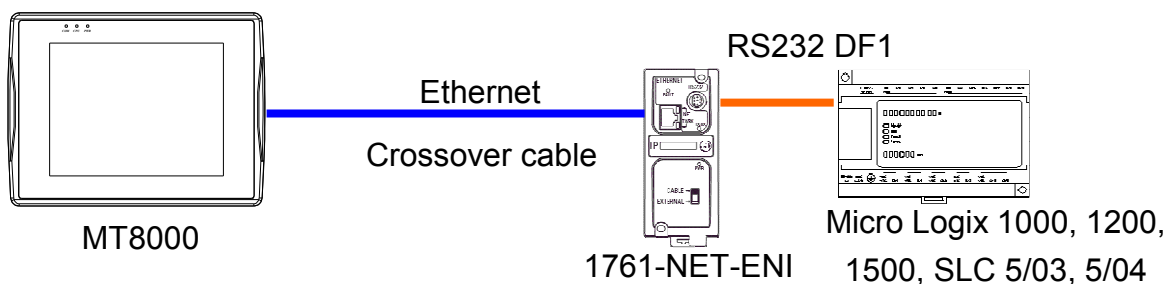
设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|-------|----------|--------------|------------------------------|
| B | I1 | DDDdd | 0 ~ 25515 | Input (I) |
| B | O0 | DDDdd | 0 ~ 25515 | Output (O) |
| B | B3 | DDDdd | 0 ~ 25515 | Bit data file (B3) |
| B | S_Bit | DDDDDDdd | 0 ~ 25525515 | Status file |
| B | Bfn | FFFDDDdd | 0 ~ 25525515 | Bit data file (B3, 10 ~ 254) |




| | | | | |
|--------|--------|-----------|--------------|--------------------------------------------|
| B | NfnBit | FFFDDDDdd | 0 ~ 25525515 | Integer data file bit level (N7, 10 ~ 254) |
| W | T4SV | DDD | 0 ~ 255 | Timer Preset Value (T4) |
| W | T4PV | DDD | 0 ~ 255 | Timer Accumulator Value (T4) |
| W | C5SV | DDD | 0 ~ 255 | Counter Preset Value (C5) |
| W | C5PV | DDD | 0 ~ 255 | Counter Accumulator Value (C5) |
| W | TfnSV | FFFDDDD | 0 ~ 255255 | |
| W | TfnPV | FFFDDDD | 0 ~ 255255 | |
| W | CfnSV | FFFDDDD | 0 ~ 255255 | |
| W | CfnPV | FFFDDDD | 0 ~ 255255 | |
| W | S | DDD | 0 ~ 255 | |
| W | N7 | DDD | 0 ~ 255 | Integer data file (N7) |
| W | Nfn | FFFDDDD | 0 ~ 255255 | Integer data file (N7, 10 ~ 254) |
| DW (F) | F8 | DDD | 0 ~ 255 | Floating point data file (F8) |
| DW (F) | Ffn | FFFDDDD | 0 ~ 255255 | Floating point data file (F8, 10 ~ 254) |
| DW | Lfn | FFFDDDD | 0 ~ 255255 | 支持 Driver version 2.00 或更新版本 |

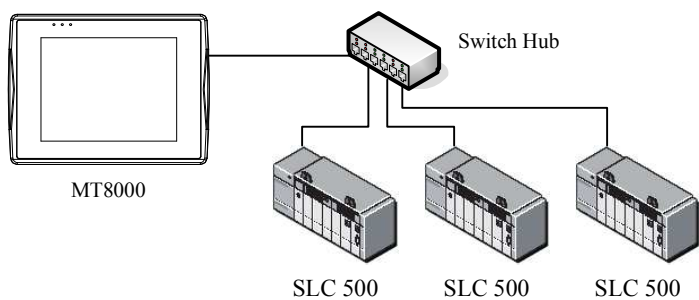
接线图:

直连网络线 (跳接网络线):




| | | |
|-------------|----|-------------|
| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|----|-------------|

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|    | | |

集线器:


| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |


驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|-------------------|
| V2.00 | Dec/21/2009 | Add Lfn register. |

Allen-Bradley PLC5

网站: <http://www.ab.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|-----------------|----|
| PLC 类型 | Allen-Bradley PLC5 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 1 | 1-31 | |

PLC 设定 :

| | |
|------|-------------------------------------------------|
| 通讯模式 | DF1 Full Duplex protocol 19200, None, 8, 1 (预设) |
|------|-------------------------------------------------|

Allen-Bradley PLC-5 Family PLCs 使用 the DF1 Full Duplex 通讯协议.

在 PLC-5/10、PLC-5/15 和 PLC-5/25 机型中，HMI 应该被连接到 1785-KE 模块的 DF1 连接端口；如果是 PLC-5/11、PLC-5/20、PLC-5/30 和 PLC-5/40 机型，HMI 应该被连接到 PLC 的 Channel 0 连接埠。





设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|----------|-----------|--------------|--------------------------------------------|
| B | I1 | DDDdd | 0 ~ 25515 | Input (I) |
| B | O0 | DDDdd | 0 ~ 25515 | Output (O) |
| B | B3 | DDDdd | 0 ~ 99915 | Bit data file (B3) |
| B | B10 ~ 13 | DDDdd | 0 ~ 99915 | Bit data file (B10 ~ 13) |
| B | S_Bit | DDDDDDdd | 0 ~ 25599915 | |
| B | Bfn | FFFDDDDdd | 0 ~ 25599915 | |
| B | NfnBit | FFFDDDDdd | 0 ~ 25599915 | |
| W | T4SV | DDD | 0 ~ 999 | Timer Preset Value (T4) |
| W | T4PV | DDD | 0 ~ 999 | Timer Accumulator Value (T4) |
| W | C5SV | DDD | 0 ~ 999 | Counter Preset Value (C5) |
| W | C5PV | DDD | 0 ~ 999 | Counter Accumulator Value (C5) |
| W | TfnSV | FFFDDD | 0 ~ 255999 | |
| W | TfnPV | FFFDDD | 0 ~ 255999 | |
| W | CfnSV | FFFDDD | 0 ~ 255999 | |
| W | CfnPV | FFFDDD | 0 ~ 255999 | |
| W | N7 | DDD | 0 ~ 999 | Integer data file (N7) |
| W | N10 ~ 15 | DDD | 0 ~ 999 | Integer data file (N10 ~ 15) |
| W | Nfn | FFFDDD | 0 ~ 255999 | Integer data file (V2.5.0 or newer) |
| W | S | DDD | 0 ~ 255 | |
| W | F8 | DDD | 0 ~ 999 | Floating point data file (F8) |
| W | Ffn | FFFDDD | 0 ~ 255999 | Floating point data file (V2.5.0 or newer) |



接线图:

9P D-Sub to 25P D-Sub: PLC5 CPU CH0

MT6000/8000 series except MT6050i/MT8050i

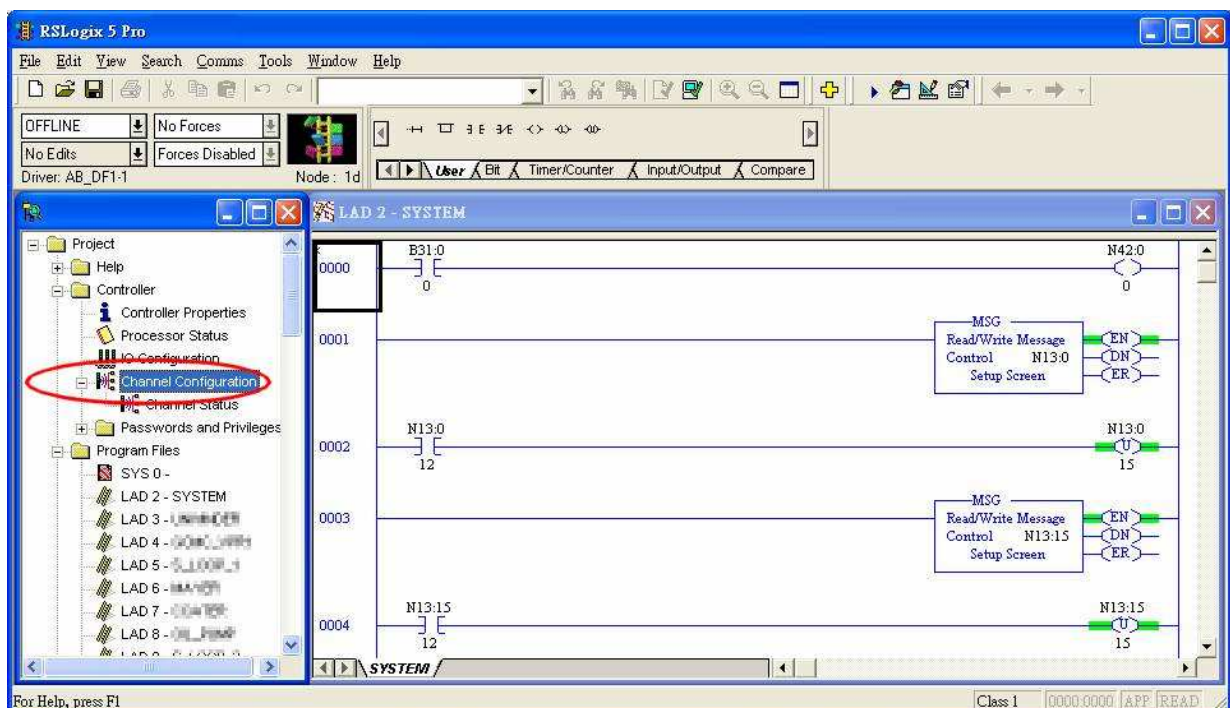
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | AB CPU CH0 RS232 25P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 7 GND |
|  |  |  |  |

MT6050i/MT8050i

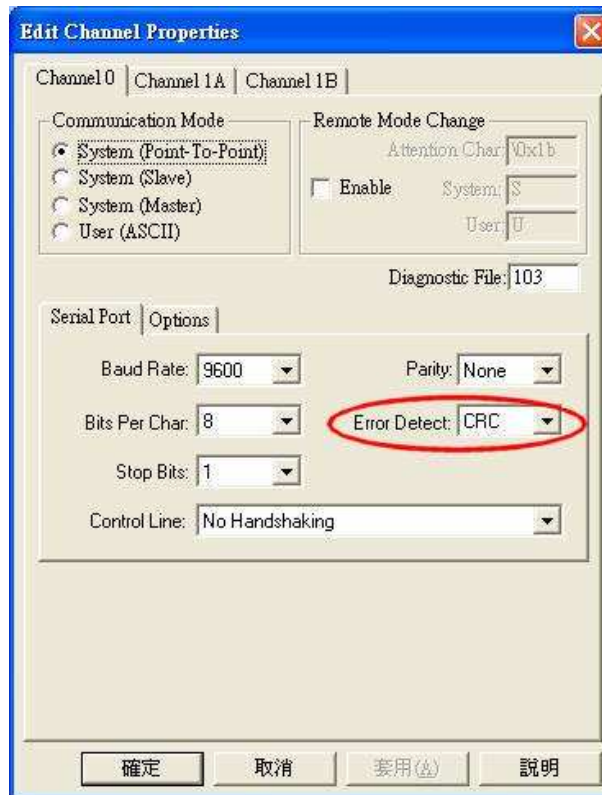
| COM1 RS232 9P D-Sub Female | | | AB CPU CH0 RS232 25P D-Sub Male |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 7 GND |
|  | | |  |

注释:

AB PLC5 预设错误检查是 BCC, 但 EASYBUILDER PRO 是 CRC.



从 RSLogix5 进入 “Channel Configuration”,在 Channel 0 标签之下,请选择 Error Detect 的 CRC.



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Apr/17/2009 | |

Altus ALNET-I

支持系列: Altus SeriesMode PO3042, PO3142, PO3242, PO3342, PL103 ,PL104, PL105, QK800, QK801, QK2000.

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------|----|----|
| PLC 类型 | altus ALNET-I | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|-------|--------|------------|------------------|
| B | M_Bit | DDDDh | 0 ~ 1023f | Memories |
| B | A | DDDh | 0 ~ 511f | Auxiliary Relays |
| B | E | DDDh | 0 ~ 511f | Input Relays |
| B | D_Bit | DDDDdd | 0 ~ 102331 | Decimals |
| B | F_Bit | DDDDdd | 0 ~ 102331 | Reals |
| B | I_Bit | DDDDdd | 0 ~ 102331 | Integers |
| B | S | DDDh | 0 ~ 511f | Output Relays |
| W | M | DDDD | 0 ~ 4096 | Memories |
| DW | D | DDDD | 0 ~ 4096 | Decimals |





| | | | | |
|----|----|------|-----------|----------------|
| DW | F | DDDD | 0 ~ 1023 | Reals |
| DW | I | DDDD | 0 ~ 1023 | Integers |
| W | TM | HHHH | 0 ~ ffff* | Memory Tables |
| DW | TD | HHHH | 0 ~ ffff* | Decimal Tables |
| DW | TF | HHHH | 0 ~ ffff* | Real Tables |
| DW | TI | HHHH | 0 ~ ffff* | Integer Tables |

注释: TM、TD、TF、TI 在原厂软件的表示格式为 TXA[B], “X”为 M、D、F、I, B 是数值, 范围是 0 ~ FF, A 范围 0 ~ FF, 故此类装置类型的前 2 个位是代表“ A ”, 后两位代表“ B ”, 至于范围的大小要取决于 PLC 缓存器的规划设定, 并非每款此种 PLC 均有相同可供读取范围。以本测试的 PLC 为例, “A”的范围只有“0”, “B”范围为 0 ~ 7。



接线图:

9P D-Sub to 8P RJ45: PLC PO3042, PO3142, PO3242, PO3342

MT6000/8000 series except MT6050i/MT8050i





| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | PLC RS232 8P RJ45 Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | PLC RS232 8P RJ45 Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 5 GND |
|  | | |  |

9P D-Sub to 9P D-Sub: PLC PL103, PL104, PL105





MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | PLC RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 7 TX |
| 3 TX | 4 TX | 7 TX | 1 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |



MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | PLC RS232 9P D-Sub Male |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| 9 RX | | | 7 TX |
| 6 TX | | | 1 RX |
| 5 GND | | | 5 GND |
|  | | |  |

9P D-Sub to 9P D-Sub: PLC QK800, QK801, QK2000.
MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | PLC RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 7 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | PLC RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 7 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Jul/24/2009 | |

Baumuller

网站: <http://www.baumuller.com/>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------|-----------------|----|
| PLC 类型 | Baumuller | | |
| PLC 界面 | RS485 4W | | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 0 | 预设 s | |

PLC 设定 :

| | |
|------|------------------------------------|
| 通讯模式 | RK 512 Protocol, 19200, 8, 1, Even |
|------|------------------------------------|



设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|-----------------------|------|----------|----|
| B | DB0_bit ~ DB29_bit | DDDh | 0 ~ 255f | |



| | | | | |
|---|------------|-----|---------|--|
| W | DB0 ~ DB29 | DDD | 0 ~ 255 | |
|---|------------|-----|---------|--|

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | Baumuller servo RS422 9P D-Sub Male |
| 1 RX- | | | 1 TXD- |
| 2 RX+ | | | 9 TXD+ |
| 3 TX- | | | 5 RXD- |
| 4 TX+ | | | 6 RXD+ |
| 5 GND | | | 8 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | Baumuller servo RS422 9P D-Sub Male |
| 1 RX- | | | 1 TXD- |
| 2 RX+ | | | 9 TXD+ |
| 3 TX- | | | 5 RXD- |
| 4 TX+ | | | 6 RXD+ |
| 5 GND | | | 8 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Apr/17/2009 | |

Change

支持系列: Compressor controller

网站: <http://www.sh-changjia.com/>

HMI 设定



| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------|-----|----|
| PLC 类型 | Change | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | 1~6 | |

设备类型:



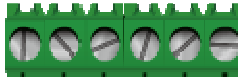
| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|--------|-----|-----------------|----|
| B | CTL | DDD | 0 ~ 5, 128, 150 | 唯写 |
| DW | SET | DDD | 0 ~ 57, 128 | |
| DW | STATUS | DD | 1 ~ 20 | 只读 |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | Change RS485 terminal |
| 1 RX- | 6 Data- | | 15 D- |
| 2 RX+ | 9 Data+ | | 16 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | Change RS485 terminal |
| 1 RX- | 7 Data- | | 15 D- |
| 2 RX+ | 8 Data+ | | 16 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Jan/19/2011 | 发布驱动程序. |

Cimon CM1-CP4A/ECO1A

支持系列: Cimon CM1 series, CP4A 模块

网站: <http://www.kdtsys.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------|----|----|
| PLC 类型 | Cimon CM1-CP4A/ECO1A | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 38400 | | |
| 数据位 | 8 | | |
| 校验 | None | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |





设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|------|------|----------|---------|
| B | X | DDh | 0 ~ 23f | 0-1F 只读 |
| B | Y | DDh | 0 ~ 23f | |
| B | M | DDDh | 0 ~ 511f | |
| B | K | DDDh | 0 ~ 127f | |
| B | L | DDDh | 0 ~ 127f | |



| | | | | |
|---|----|------|----------|----------|
| B | F | DDDh | 0 ~ 127f | 只读 |
| B | T | DDDh | 0 ~ 102f | |
| B | C | DDDh | 0 ~ 102f | |
| W | D | DDDD | 0 ~ 4999 | |
| W | S | DD | 0 ~ 99 | 最大范围: 99 |
| W | TS | DDDD | 0 ~ 1023 | |
| W | TC | DDDD | 0 ~ 1023 | |
| W | CS | DDDD | 0 ~ 1023 | |
| W | CC | DDDD | 0 ~ 1023 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | CM1-CP4A RS232 6P RJ11 Male |
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | CM1-CP4A RS232 6P RJ11 Male |
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Nov/30/2009 | |

Cimon CM1-SC02A

支持系列: Cimon CM series, SC02A 模块

网站: <http://www.kdtsys.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|----------|-----------------|----|----|
| PLC 类型 | Cimon CM1-SC02A | | |
| Com port | RS232 | | |
| 传输速率 | 38400 | | |
| 数据位 | 8 | | |
| 校验 | None | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |





设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|------|------|----------|---------|
| B | X | DDh | 0 ~ 23f | 0-1F 只读 |
| B | Y | DDh | 0 ~ 23f | 0-F 只读 |
| B | M | DDDh | 0 ~ 511f | |
| B | K | DDDh | 0 ~ 127f | |
| B | L | DDDh | 0 ~ 127f | |



| | | | | |
|---|----|------|----------|----------|
| B | F | DDDh | 0 ~ 127f | 只读 |
| B | T | DDDh | 0 ~ 102f | |
| B | C | DDDh | 0 ~ 102f | |
| W | D | DDDD | 0 ~ 4999 | |
| W | S | DD | 0 ~ 99 | 最大范围: 99 |
| W | TS | DDDD | 0 ~ 1023 | |
| W | TC | DDDD | 0 ~ 1023 | |
| W | CS | DDDD | 0 ~ 1023 | |
| W | CC | DDDD | 0 ~ 1023 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | CM1-SC02A RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | CM1-SC02A RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Nov/30/2009 | |

Copley Controls

支持系列: Digital Servo Driver & Controllers, Xenus, Xenus Micro, Accelnet, Accelnet Micro, Stepnet series.

网站: <http://www.copleycontrols.com/motion/>

HMI 设定





| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|-----------------|----|
| PLC 类型 | Copley Controls | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| HMI 站号 | 0 | | |
| PLC 站号 | 0 | 0-127 | |

设备类型:



| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|--------------|------|----------|------------------------------|
| W | Flash INT 16 | HHH | 0 ~ 999 | For Register is INT16 or U16 |
| W | RAM INT 16 | HHH | 0 ~ 999 | For Register is INT16 or U16 |
| W | Flash INT 32 | HHH | 0 ~ 999 | For Register is INT32 or U32 |
| W | RAM INT 32 | HHH | 0 ~ 999 | For Register is INT32 or U32 |
| W | Register | DDDD | 0 ~ 2457 | |
| W | T_command | H | 0 | |
| W | Reset | H | 0 | |

接线图:




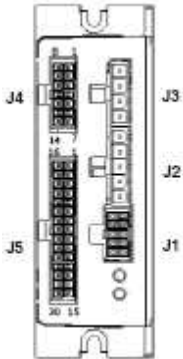
9P D-Sub to 6P RJ11: Xenus, Xenus Micro, Accelnet, Stepnet
 MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P RJ11 Male |
| 2 RX | 6 RX | 8 RX | 5 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 3, 4 GND |
|  |  |  |  |

MT6050i/MT8050i


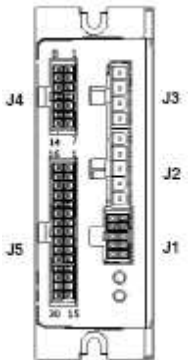
| | | | |
|-----------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P RJ11 Male |
| 9 RX | | | 5 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 3, 4 GND |
|  | | |  |

Accelnet Micro:
MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Accelnet Micro Panel RS232 J5 Cable Connector |
| 2 RX | 6 RX | 8 RX | 29 TXD |
| 3 TX | 4 TX | 7 TX | 14 RXD |
| 5 GND | 5 GND | 5 GND | 15 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|-----------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | Accelnet Micro Panel RS232 J5 Cable Connector |
|-------------------------------|--|--|-----------------------------------------------------|

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 9 RX | | | 29 TXD |
| 6 TX | | | 14 RXD |
| 5 GND | | | 15 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Dec/30/2008 | |

CROUZET M3 (FBD)

HMI 设定



| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|----|----|
| PLC 类型 | CROUZET M3 (FBD) | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 115200 | | |
| 数据位 | 7 | | |
| 校验 | Even | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |

设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|---------|-----|-----------|---------------------------|
| B | SLI_Bit | DDh | 10 ~ 24f | Serial link input |
| B | SLO_Bit | DDh | 250 ~ 48f | Serial link output (只读) |
| W | IA | DD | 1 ~ 99 | Analogy input (预设: 1 ~ 4) |
| W | SL_IN | DD | 1 ~ 24 | Serial link input |
| W | SL_OUT | DD | 25 ~ 48 | Serial link output (只读) |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | CROUZET M3 RS232 9P D-Sub Male (Extension Cable) |
| 2 RX | | | 2 TD |
| 3 TX | | | 3 RD |
| 5 GND | | | 5 GND |
| 7 RTS | | | 4 DTR |
|  | | |  |



(3m 系列连结线)

注释:请使用 3m 系列连结线(Accessories from

Millenium 3)和延长线(如上所述)和 HMI series 通

讯.

MT6050/8050i
RS232
9P D-SUB Male
COM1

CROUZET CD12
RS-232
9P D-SUB Female
(Extension cable)

| | | |
|-------|---|-----|
| 6 TX | 3 | RD |
| 9 RX | 2 | TD |
| 5 GND | 5 | GND |
| 4 TX+ | 4 | DTR |



HMI



User's cable



88970102



Millenium 3

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Oct/26/2010 | |

CROUZET M3 (LAD)

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|----|----|
| PLC 类型 | CROUZET M3 (LAD) | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 115200 | | |
| 数据位 | 7 | | |
| 校验 | Even | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |



设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|---------|-----|-----------|---------------------------|
| B | I | DD | 1 ~ 99 | Input (预设: 1 ~ 4) |
| B | O | DD | 1 ~ 99 | Output (预设: 1 ~ 4) |
| B | M | DD | 1 ~ 28 | Relay |
| B | SLI_Bit | DDh | 10 ~ 24f | Serial link input |
| B | SLO_Bit | DDh | 250 ~ 48f | Serial link output (只读) |
| W | T | DD | 1 ~ 12 | Timer |
| W | C | DD | 1 ~ 16 | Counter |
| W | IA | DD | 1 ~ 99 | Analogy input (预设: 1 ~ 4) |

| | | | | |
|---|--------|----|---------|-------------------------|
| W | SL_IN | DD | 1 ~ 24 | Serial link input |
| W | SL_OUT | DD | 25 ~ 48 | Serial link output (只读) |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | CROUZET M3 RS232 9P D-Sub Male (Extension Cable) |
| 2 RX | | | 2 TD |
| 3 TX | | | 3 RD |
| 5 GND | | | 5 GND |
| 7 RTS | | | 4 DTR |
|  | | |  |



(3m 系列连结线)

注释:请使用 3m 系列连结线(Accessories from Millenium 3)和延长线(如上所述)和 HMI series 通讯.

MT6050/8050i
RS232
9P D-SUB Male
COM1

CROUZET CD12
RS-232
9P D-SUB Female
(Extension cable)

| | | | |
|---|-----|---|-----|
| 6 | TX | 3 | RD |
| 9 | RX | 2 | TD |
| 5 | GND | 5 | GND |
| 4 | TX+ | 4 | DTR |



HMI

+



User's cable

+



88970102

+



Millenium 3

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Oct/26/2010 | |

Danfoss ECL Apex20

网站: <http://www.danfoss.com/>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|----|----|
| PLC 类型 | Danfoss ECL Apex20 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |





设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|-----------|--------|-------------|-----------------------|
| B | Flag | DDDD | 0 ~ 8191 | |
| B | Output | DDDD | 0 ~ 1023 | |
| B | Input | DDDD | 0 ~ 1023 | |
| B | Reg_Bit | DDDDdd | 0 ~ 1638331 | dd: Bit no. (00 ~ 31) |
| W | Register | DDDDD | 0 ~ 16383 | |
| W | Counter | DDDD | 0 ~ 1599 | |
| W | Timer | DDDD | 0 ~ 1599 | |
| W | Reg_Float | DDDDD | 0 ~ 16383 | 支持 32-bit float 格式 |



EasyBuilder 装置地址范围会不同于 PLC 延伸型态，请参考 EasyBuilder's 地址范围，如上所述。

接线图：

MT6000/8000 series except MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | ECL Apex20 Controller RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 2 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  |  |  |  | |

MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | | | ECL Apex20 Controller RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | 3 TXD | |
| 6 TX | | | 2 RXD | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  | | |  | |

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W | COM3 RS485 2W | | ECL Apex20 Controller |
|---------------|---------------|--|-----------------------|
| | | | |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 9P D-Sub Male | 9P D-Sub Male | | Port#1 / Port#0 |
| 1 RX- | 6 Data- | | 11 / 29 |
| 2 RX+ | 9 Data+ | | 12 / 28 |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | ECL Apex20 Controller Port#1 / Port#0 |
| 1 RX- | 7 Data- | | 11 / 29 |
| 2 RX+ | 8 Data+ | | 12 / 28 |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Jan/10/2011 | |

Danfoss ECL Apex20 (Ethernet)

网站: <http://www.danfoss.com/>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------------|----|----|
| PLC 类型 | Danfoss ECL Apex20 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 0 | | |
| 连接埠 | 5050 | | |

设备类型:


| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|-----------|--------|-------------|-----------------------|
| B | Flag | DDDD | 0 ~ 8191 | |
| B | Output | DDDD | 0 ~ 1023 | |
| B | Input | DDDD | 0 ~ 1023 | |
| B | Reg_Bit | DDDDdd | 0 ~ 1638331 | dd: Bit no. (00 ~ 31) |
| W | Register | DDDDD | 0 ~ 16383 | |
| W | Counter | DDDD | 0 ~ 1599 | |
| W | Timer | DDDD | 0 ~ 1599 | |
| W | Reg_Float | DDDDD | 0 ~ 16383 | 支持 32-bit float 格式 |

EasyBuilder 装置地址范围会不同于 PLC 延伸型态，请参考 EasyBuilder's 地址范围，如上所述。

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Jan/10/2011 | |

Danfoss FC Series

支持系列: FC051, FC100, FC200, FC300, VLT Micro Driver.

网站: <http://www.danfoss.com/>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|----|----|
| PLC 类型 | Danfoss FC Series | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |



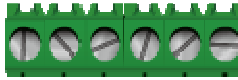
设备类型:

| Bit/Word | 设备型态 | | 格式 | 范围 | 注释 |
|----------|------------|----|--------|------------|-----------------------|
| W | Parameter | 09 | DDDD | 0 ~ 9999 | Set Parameter |
| DW | Reference | 10 | D | 0 ~ 1 | Control Bus Reference |
| DW | Para_Index | 11 | DDDDDD | 0 ~ 999999 | Set Parameter(Index) |




Para_Index 310.1=31001, Para_Index310.0=31000

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | FC RS485 terminal |
| 1 RX- | 6 Data- | | 69 D- |
| 2 RX+ | 9 Data+ | | 68 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | FC RS485 terminal |
| 1 RX- | 7 Data- | | 69 D- |
| 2 RX+ | 8 Data+ | | 68 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

*RW100 set PCD1 Control Word of station 1

*RW101 read PCD1 Status Word of station 1

*RW102 set PCD2 Control Word of station 2

*RW103 read PCD2 Status Word of station 2

*RW104 set PCD3 Control Word of station 3

*RW105 read PCD3 Status Word of station 3

*RW106 set PCD4 Control Word of station 4

*RW107 read PCD4 Status Word of station 4

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Jan/14/2010 | |

Danfoss VLT2800 Series

支持系列: VLT2800 series

网站: <http://www.danfoss.com/>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------------|-------|--------|
| PLC 类型 | Danfoss VLT2800 Series | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | 0-126 | 依照 PLC |

PLC 设定 :

| | |
|------|-----------------------|
| 通讯模式 | 9600, Even, 8, 1 (预设) |
|------|-----------------------|

设备类型:



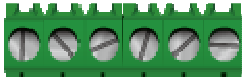
| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|------|----|----|----|
| | | | | |

| | | | | |
|----|-----------|------|----------|-----------------------|
| DW | Parameter | DDDD | 0 ~ 2000 | Set Parameter |
| W | Reference | D | 0 ~ 1 | Control Bus Reference |




控制字组是和站号有关，如果站号是 1，控制字组是 RW100 和 RW101；如果站号是 2，控制字组则是 RW102 和 RW103，依照这个规则去选择正确的控制字组。

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 terminal |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | 69 D- |
| 2 RX+ | 9 Data+ | | 68 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 terminal |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 7 Data- | | 69 D- |
| 2 RX+ | 8 Data+ | | 68 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Dec/30/2008 | |

DELTA DVP

支持系列: DELTA DVP series

网站: <http://www.deltadrivers.com>

HMI 设定

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------|-----------------|----|
| PLC 类型 | DELTA DVP | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7, 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 1 | 0-255 | |





设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|--------|--------|-------------------|-----------------|
| B | X | OOOOO | 0 ~ 23417 (octal) | Input |
| B | Y | OOOOO | 0 ~ 23417 (octal) | Output |
| B | M | DDDDD | 0 ~ 65536 | Auxiliary Relay |
| B | S | DDDD | 0 ~ 9999 | Step Relay |
| B | T | DDDD | 0 ~ 9999 | Timer |
| B | C | DDDD | 0 ~ 9999 | Counter |
| B | TV_Bit | DDDDdd | 0 ~ 999915 | Timer |



| | | | | |
|---|-----|------|-----------|---------------------|
| W | TV | DDDD | 0 ~ 9999 | Timer |
| W | CV | DDD | 0 ~ 127 | Counter |
| W | CV2 | DDD | 200 ~ 254 | Double Word Counter |
| W | D | DDDD | 0 ~ 9999 | Data Register |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P Mini-DIN Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 5 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 3/8 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 5 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 3/8 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.00 | Dec/30/2008 | |

Embedded PC BECKHOFF (CX-ARM)

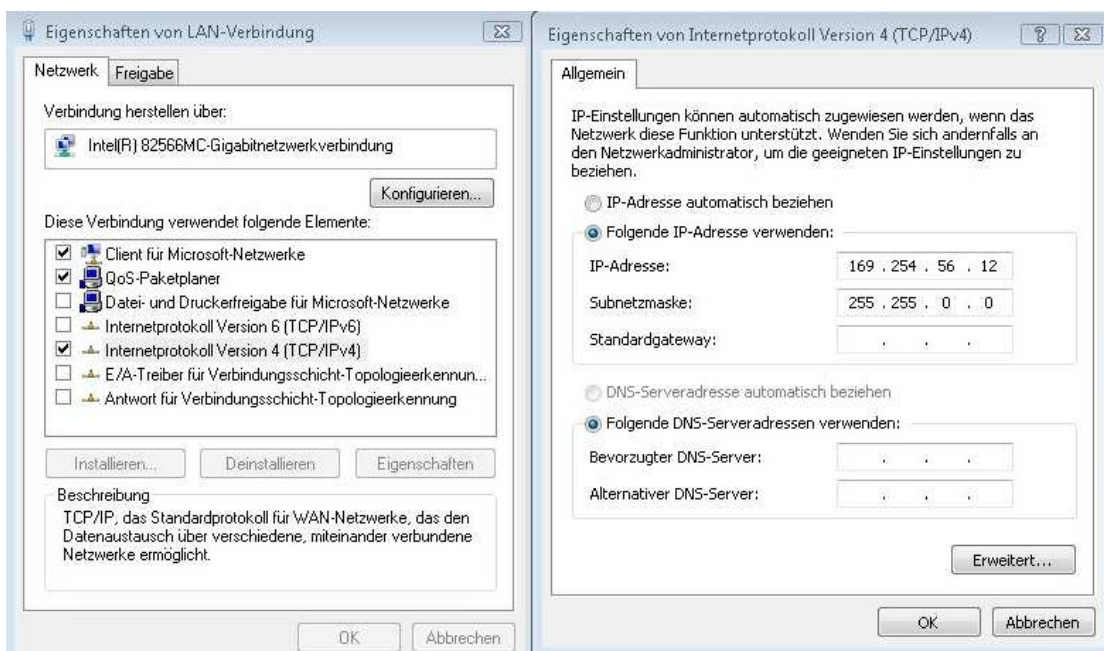
支持系列: ARM-CX90x0 and CX80xx

HMI 设定

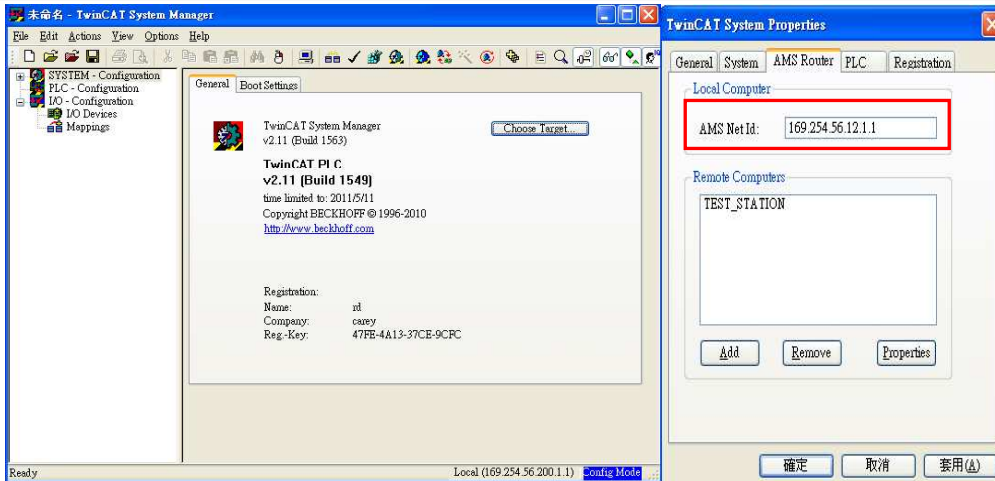
| 参数设定 | 推荐 | 选项 | 注释 |
|----------|-------------------------------|--------------------|----|
| PLC 类型 | Embedded PC BECKHOFF (CX-ARM) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 48898 | | |
| PLC 站号 | 1 | | |
| ADS port | 801 | 801, 811, 821, 831 | |

PLC 设定 :

a. 确定计算机的 IP 地址

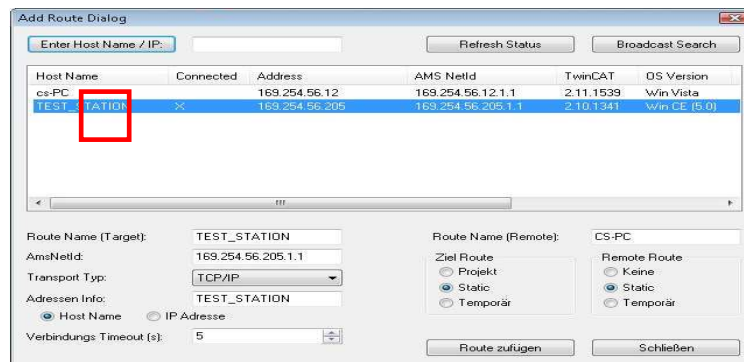


b. Open Twincat, 设定 IP 地址 169.254.56.12.1

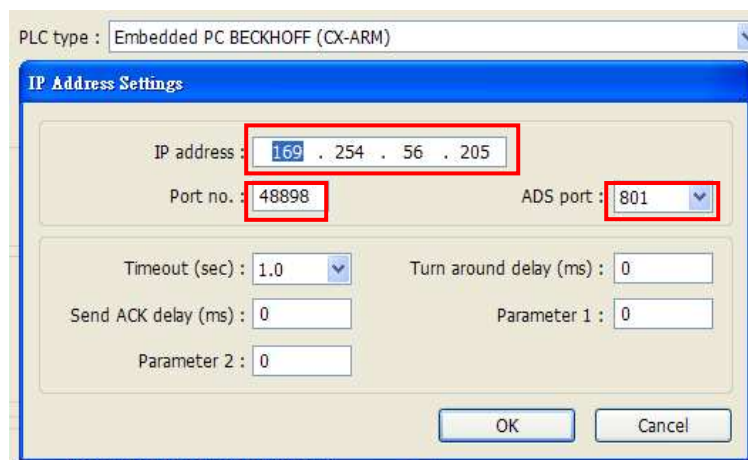


- c. 使用 TWINCAT 建立路由表(Route table)来确定系统是否被连接 ,如果 PLC 重新启动 , 这些步骤必须重复一次

注释:当连接的状态区位显示”X” , 也就表示成功连接



- d. 打开 EASYBUILDER PRO, 设定网络地址 Port no 和 ADS port no



- e. 执行在线模拟.

注释:若 project 下载到 HMI , 请设定与 Twincat 相同的 IP : 169.254.56.12


设备类型:

| Bit/Word | 设备型态 | 格式 | 范围 | 注释 |
|----------|------|--------|------------|------------------|
| B | IX | DDDDDo | 0 ~ 655357 | o : Bit no.(0~7) |
| B | QX | DDDDDo | 0 ~ 655357 | o : Bit no.(0~7) |
| B | MX | DDDDDo | 0 ~ 655357 | o : Bit no.(0~7) |
| W | IW | DDDDD | 0 ~ 65535 | |
| W | QW | DDDDD | 0 ~ 65535 | |
| W | MW | DDDDD | 0 ~ 65535 | |
| DW | ID | DDDDD | 0 ~ 65535 | |
| DW | QD | DDDDD | 0 ~ 65535 | |
| DW | MD | DDDDD | 0 ~ 65535 | |


接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|--------------------------------------------------------------------------------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Apr/18/2011 | 发布驱动程序 |

| | | |
|-------|-------------|-------------------|
| V1.10 | Aug/24/2011 | 扩充缓存器地址范围至 65535. |
|-------|-------------|-------------------|

Embedded PC BECKHOFF (PC or CX-x86)

支持系列: Intel-CX10x0 and CX50x0

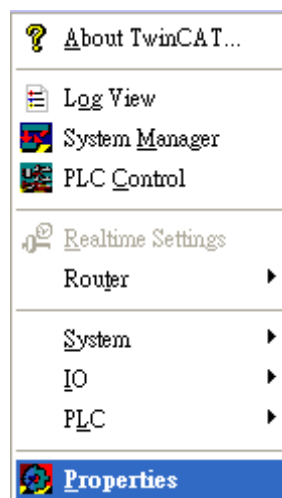
HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------------|--------------------|----|
| PLC 类型 | Embedded PC BECKHOFF (PC or CX) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 48898 | | |
| PLC 站号 | 1 | | |
| ADS 埠 | 801 | 801, 811, 821, 831 | |

PLC 设定:

Step1.

开启 TwinCat System Properties



PLC 设定: 设定 HMI Name, AMS Net ID, 和 Address.

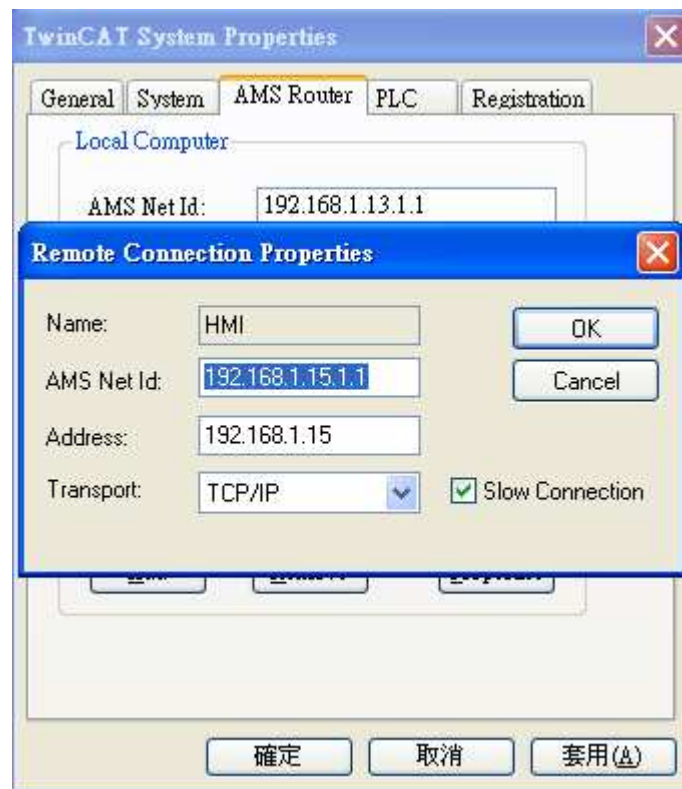
Ex:

HMI IP: 192.168.1.15

AMSNetID: Must input 192.168.1.15.1

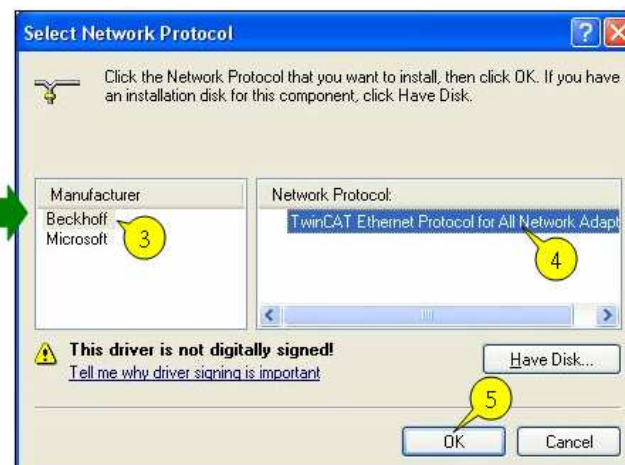
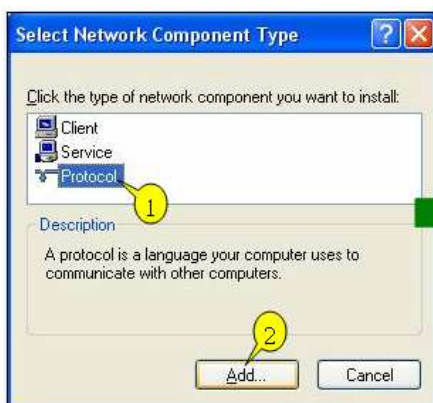
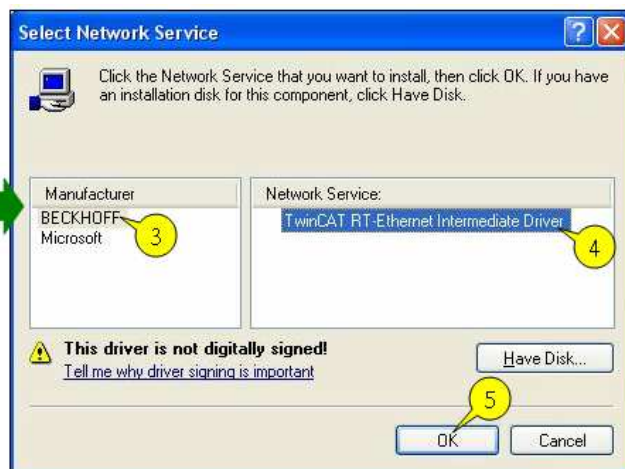
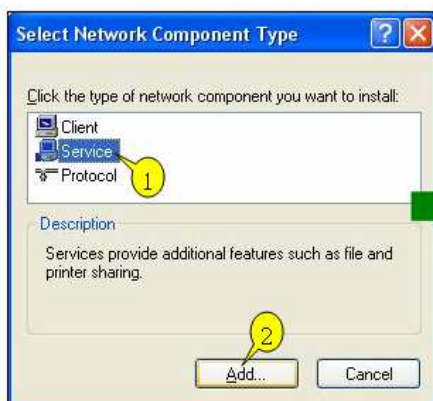
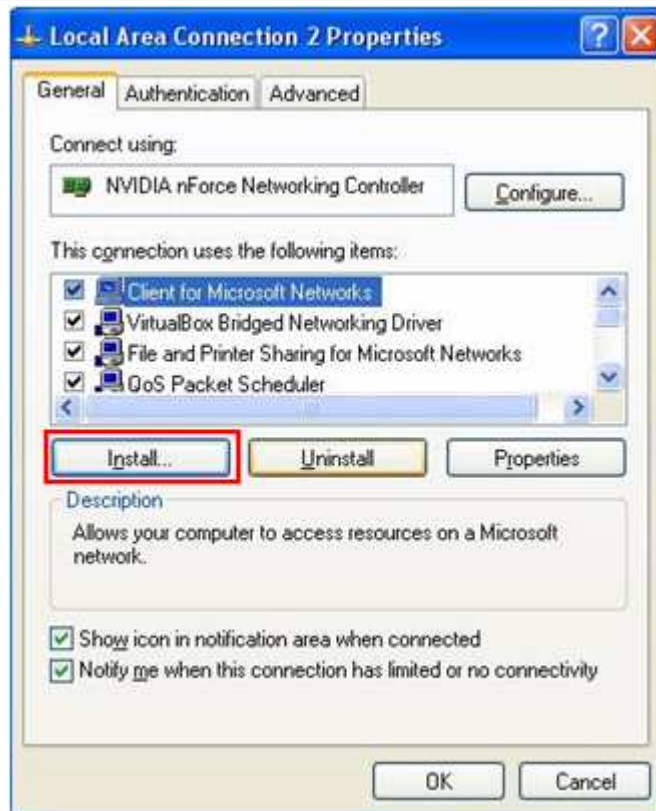
Address: 192.168.1.15

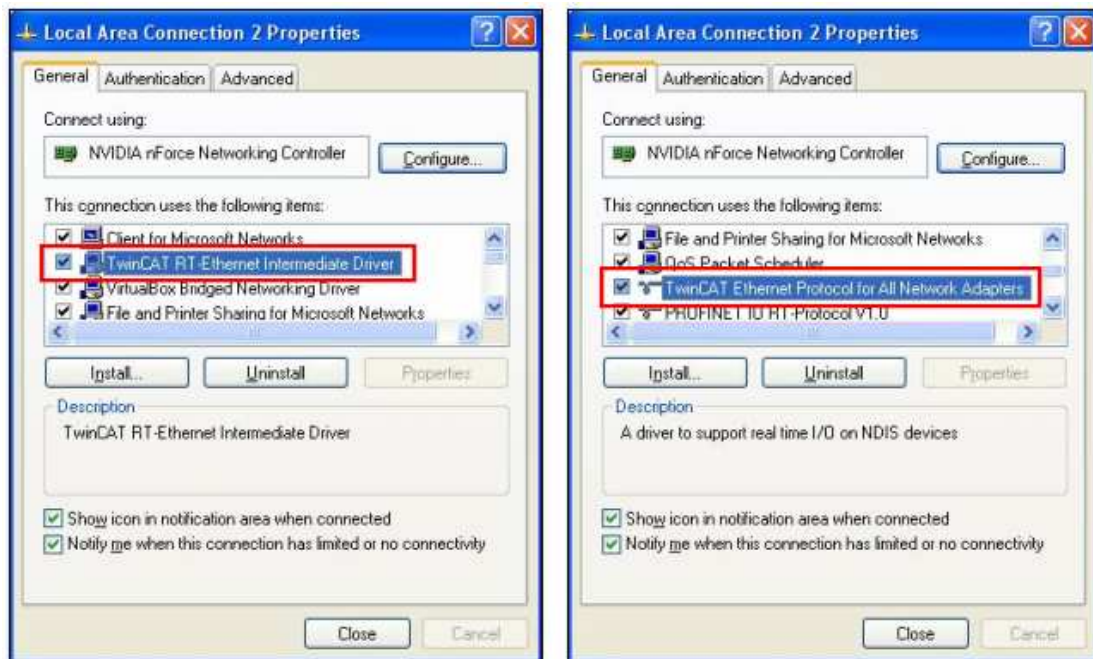
Name: 输入“HMI”或其它指定名称.



Step2.

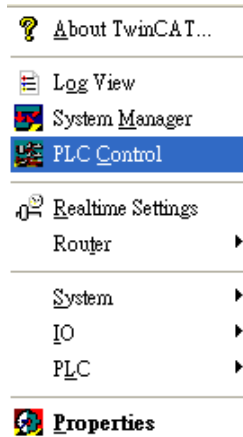
在 PC 上模拟 PLC. 2 个 Twincat 驱动需安装如下:

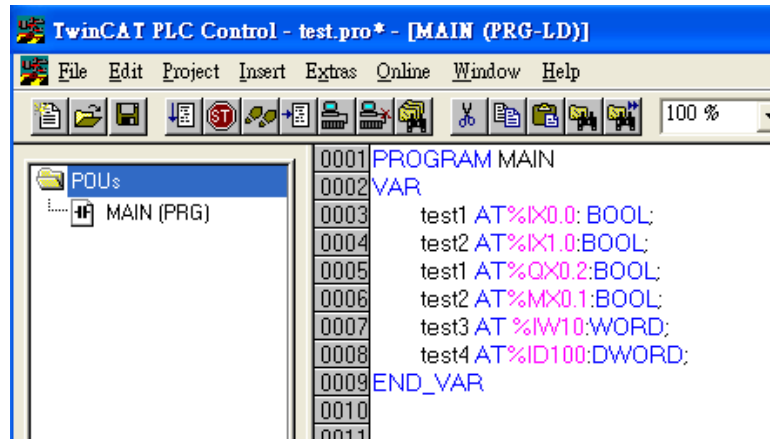




Step3.

下列命令可利用 TwinCAT PLC 来输出参数设定.





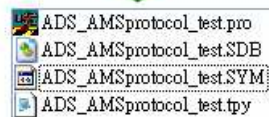
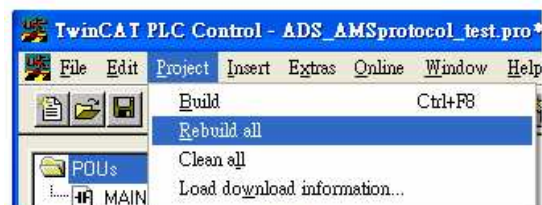
PS. Twincat PLC

IX, QX, MX – 需输出 BOOL 类型.

IW, QW, MW – 需输出 UINT, WORD, 和 INT 类型.

ID, QD, MD - 需输出 UDINT, DWORD, 和 DINT 类型.

Project -> Rebuild all



Step4.

在 EasyBuilder 设定 PLC IP.

Device Properties

Name : Embedded PC (BECKHOFF)

HMI PLC

Location : Local

PLC type : Embedded PC (BECKHOFF)

V.1.00, EMBEDDED_PC_BECKHOFF.so

PLC I/F : Ethernet PLC default station no. : 1

Use UDP (User Datagram Protocol)

IP : 0.0.0.0, Port=48898

Use broadcast command

IP Address Settings

IP address : 192 . 168 . 1 . 10

Port no. : 48898 ADS port : 801

Timeout (sec) : 1.0 Turn around delay (ms) : 801

Send ACK delay (ms) : 0 Parameter 1 : 0

Parameter 2 : 0

Step5.

点选 [汇入标签] 按钮开启 TPY 档 (编译档来自 Twincat PLC Control.)

System Parameter Settings

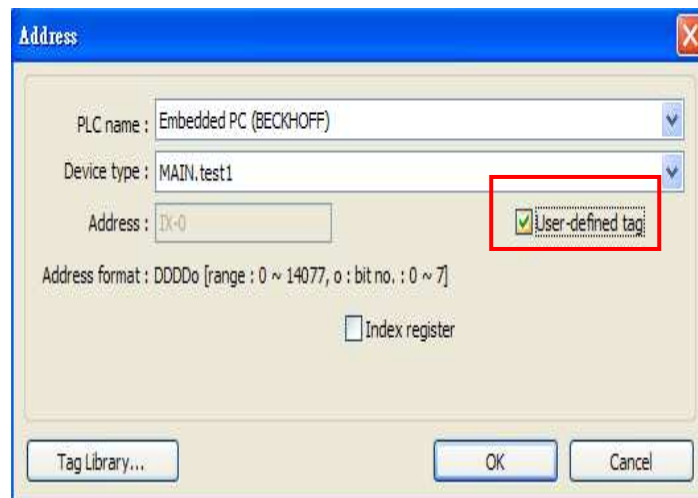
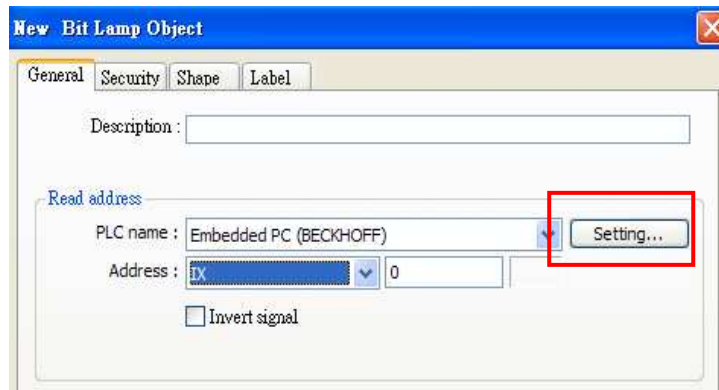
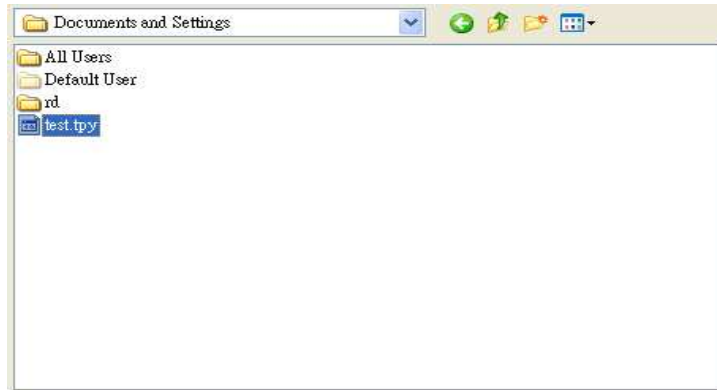
Font Extended Memory Printer/Backup Server

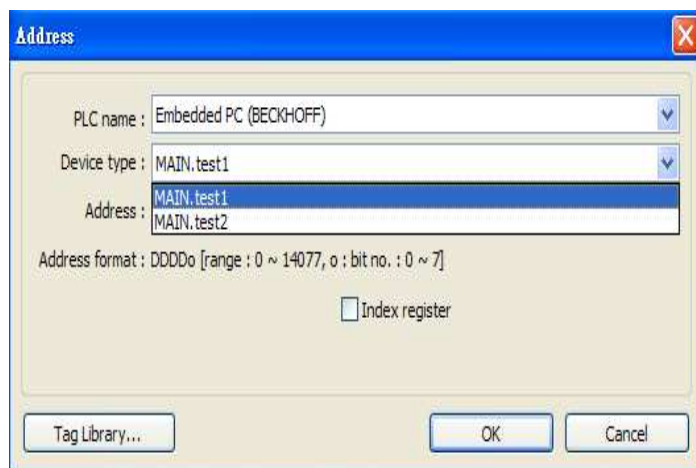
Device Model General System Setting Security

Device list :

| No. | Name | Location | Device type | Interface |
|-------------|--------------------|----------|--------------------|----------------------------------|
| Local HMI | Local HMI | Local | MT6070iH/MT8070... | Disable |
| Local PLC 4 | Embedded PC (BE... | Local | Embedded PC (BE... | Ethernet(IP=0.0.0.0, Port=48898) |

Project description :





Step6.

下载程序到 HMI.


设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|--------|------------|------------------|
| B | IX | DDDDDo | 0 ~ 655357 | o : Bit no.(0~7) |
| B | QX | DDDDDo | 0 ~ 655357 | o : Bit no.(0~7) |
| B | MX | DDDDDo | 0 ~ 655357 | o : Bit no.(0~7) |
| W | IW | DDDDD | 0 ~ 65535 | |
| W | QW | DDDDD | 0 ~ 65535 | |
| W | MW | DDDDD | 0 ~ 65535 | |
| DW | ID | DDDDD | 0 ~ 65535 | |
| DW | QD | DDDDD | 0 ~ 65535 | |
| DW | MD | DDDDD | 0 ~ 65535 | |


接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|--------------------------------------------------------------------------------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|-------------------|
| V1.00 | Dec/08/2010 | 发布驱动程序. |
| V1.10 | Aug/23/2011 | 扩充缓存器地址范围至 65535. |

EMERSON PLC EC20

支持系列: Emerson PLC EC20 Series. (Modbus RTU Protocol)

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|---------------------|----|
| PLC 类型 | EMERSON PLC EC20 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600, 19200, 115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 0 | 0-255 | |

PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | Modbus RTU protocol |
|------|---------------------|




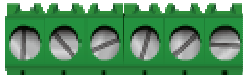
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-----|--------------------------------|----------------------|
| B | Y | OOO | 0 ~ 377 (octal) 256 point | 0000-0255 |
| B | X | OOO | 0 ~ 377 (octal) | 1200-01455 0000-0255 |

| | | | 256 point | |
|----|----------|------|-----------|-----------|
| B | M | DDDD | 0 ~ 1999 | 2000-3999 |
| B | SM | DDD | 0~ 255 | 4400-4655 |
| B | S | DDD | 0 ~ 991 | 6000-6991 |
| B | T | DDD | 0 ~ 255 | 8000-8255 |
| B | C | DDD | 0 ~ 255 | 9200-9455 |
| W | D | DDDD | 0 ~ 7999 | 0000-7999 |
| W | SD | DDD | 0 ~ 255 | 8000-8255 |
| W | Z | DD | 0 ~ 15 | 8500-8515 |
| W | T | DDD | 0 ~ 255 | 9000-9255 |
| W | C | DDD | 0 ~ 199 | 9500-9699 |
| DW | C_Double | DDD | 200 ~ 255 | 9700-9811 |
| DW | D_Double | DDDD | 0 ~ 7998 | 0000-7999 |



接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Emerson EC20 COM1 terminal |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | TXD |
| 3 TX | 4 TX | 7 TX | RXD |
| 5 GND | 5 GND | 5 GND | GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | Emerson EC20 COM1 terminal |
|-------------------------------|--|--|-------------------------------|
| 9 RX | | | TXD |
| 6 TX | | | RXD |
| 5 GND | | | GND |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Dec/30/2008 | |

F930GOT Server

支持系列: F930GOT general-purpose communication 类型.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-----------------|----|
| PLC 类型 | F930GOT Server | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 38400 | 9600, 115200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|----|
| B | RB | DDDD | 0 ~ 2047 | |
| W | RW | DDDDD | 0 ~ 65535 | |

Note: 在 PLC 名称请勿选择 F930GOT Server.

请选择 Local HMI, 设备 类型=RW.



接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Micro Computer Board RS232 Female |
|-------------------------------|-------------------------------|-----------------------------|--------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |



MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | Micro Computer Board RS232 Female |
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

通讯协议:

Read Command:

PC → HMI

| | | | | |
|----|-----|--------------|------|----|
| 02 | '0' | Read address | Size | CR |
|----|-----|--------------|------|----|

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 02 | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 0D |
|----|----|----|----|----|----|----|----|----|

Read RW0 1 word (2 bytes) STX = 0x02, '0' = Read command, CR = 0x0D

Read address (hexadecimal)

0 ~ FFFF = RW0 ~ 65535

Size (hexadecimal)

2 ~ FE = 2 ~ 254 bytes = 1 ~ 127 word.

Size must be even.

HMI → PC (response)

| | | | | |
|----|-------|-------|-------|----|
| 02 | Data1 | Data2 | | CR |
|----|-------|-------|-------|----|

| | | | | | |
|----|----|----|----|----|----|
| 02 | 30 | 30 | 31 | 30 | 0D |
|----|----|----|----|----|----|

RW0 = 0x0010 = 16

Write Command:

PC → HMI

| | | | | | | | |
|----|-----|--------------|------|-------|-------|-------|----|
| 02 | '1' | Read address | Size | Data1 | Data2 | | CR |
|----|-----|--------------|------|-------|-------|-------|----|

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 02 | 31 | 30 | 30 | 30 | 30 | 30 | 32 | 12 | 34 | 0D |
|----|----|----|----|----|----|----|----|----|----|----|

Write RW0 = 0x1234

Read address (hexadecimal)

0 ~ FFFF = RW0 ~ 65535

Size (hexadecimal)

2 ~ FE = 2 ~ 254 bytes = 1 ~ 127 word.

Size must be even.

HMI → PC (response)

06

ACK = 0x06

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Aug/14/2009 | 发布驱动程序. |

FATEK FB Series

支持系列: FATEK FBs 系列, FB MC 系列, 和 FB MA 系列 需要 FB-DTBR 转接器.

网站: <http://www.fatek.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|--------------------------|----|
| PLC 类型 | FATEK FB Series | | |
| PLC 界面 | RS232 | RS232/RS485 /Ethernet | |
| 传输速率 | 9600 | | |
| 校验 | Even | | |
| 数据位 | 7 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | 0-255 | |

设备类型:





| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----------------|
| B | X | DDDD | 0 ~ 9999 | Input |
| B | Y | DDDD | 0 ~ 9999 | Output |
| B | M | DDDD | 0 ~ 9999 | Internal Relay |
| B | S | DDDD | 0 ~ 9999 | Step Relay |
| B | T | DDDD | 0 ~ 9999 | Timer |
| B | C | DDDD | 0 ~ 9999 | Counter |

| | | | | |
|---|----------|--------|------------|------------------------------|
| B | PLC_MODE | D | 0 | PLC mode |
| B | R_Bit | DDDDdd | 0 ~ 999915 | |
| B | D_Bit | DDDDdd | 0 ~ 999915 | |
| W | RT | DDDD | 0 ~ 9999 | Timer Register |
| W | RC | DDDD | 0 ~ 9999 | Counter Register |
| W | R | DDDD | 0 ~ 9999 | Data Register |
| W | D | DDDD | 0 ~ 9999 | Data Register |
| W | DRT | DDDD | 0 ~ 9999 | Double Word Timer Register |
| W | DRC | DDD | 200 ~ 255 | Double Word Counter Register |
| W | WX | DDDD | 0 ~ 9999 | Input Word |
| W | WY | DDDD | 0 ~ 9999 | Output Word |
| W | WM | DDDD | 0 ~ 9999 | Internal Relay Word |
| W | WS | DDDD | 0 ~ 9999 | |

接线图:


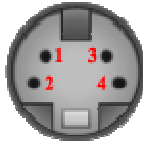
9P D-Sub to 4P Mini-DIN: FBs Port0

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | FBs RS232 4P Mini-DIN Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 4 RX |
| 5 GND | 5 GND | 5 GND | 2 GND |
|  |  |  |  |





MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | FBs RS232 4P Mini-DIN Male |
|-------------------------------|--|--|-------------------------------|
| 9 RX | | | 3 TX |
| 6 TX | | | 4 RX |
| 5 GND | | | 2 GND |



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

9P D-Sub to 9P D-Sub: FBs communication module

MT6000/8000 series except MT6050i/MT8050i



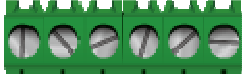
| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | FBs communication module RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i



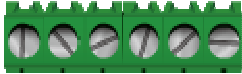
| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | FBs communication module RS232 9P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 5 GND |
|  | | |  |

FBs communication module 3P Terminal Block

MT6000/8000 series except MT6050i/MT8050i





| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | FBs communication module 3P Terminal |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i



| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | FBs communication module 3P Terminal |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

9P D-Sub to 15P D-Sub: CPU Port

MT6000/8000 series except MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | FB CPU Port RS232 15P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 1 RX |
| 5 GND | 5 GND | 5 GND | 6 GND |
| | | | 3 RTS |
| | | | 4 CTS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | | | FB CPU Port RS232 15P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 2 TX |
| 6 TX | | | 1 RX |
| 5 GND | | | 6 GND |
| | | | 3 RTS |
| | | | 4 CTS |
| | | | circuit |
|  | | |  |

9P D-Sub to 15P D-Sub: CPU Port RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | FB CPU Port RS485 2W 15P D-Sub Male |
| 1 RX- | 6 Data- | | 7 D- |
| 2 RX+ | 9 Data+ | | 5 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | FB CPU Port RS485 2W 15P D-Sub Male |
| 1 RX- | 7 Data- | | 7 D- |
| 2 RX+ | 8 Data+ | | 5 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----------------------------|
| V1.60 | Feb/18/2011 | 新增 R_Bit, D_Bit 和 WS 地址类型. |

FLEXI SOFT (SICK)

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|-------------------------------|----|
| PLC 类型 | FLEXI SOFT (SICK) | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 115200 | 9600,19200,38400,57600,115200 | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |



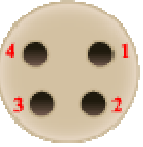
设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|--------------|-----|---------|--------------|
| B | I | DDo | 0 ~ 967 | Input |
| B | Q | DDo | 0 ~ 487 | Output |
| B | Logic result | DDo | 0 ~ 327 | Logic result |
| B | RS-232 | DDo | 0 ~ 327 | RS-232 |


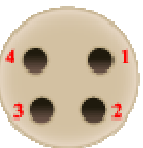
接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------|-------------------------------|-----------------------------|-------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | FLEXI soft CPU0 Port0 4P Mini-DIN Male |
|-------------------------------|-------------------------------|-----------------------------|-------------------------------------------|

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 4 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | FLEXI soft CPU0 Port0 4P Mini-DIN Male |
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 4 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|------------|---------|
| V1.00 | Apr/8/2011 | 发布驱动程序. |

Fuji NB Series

网站: <http://www.fujielectric.co.jp/fcs/eng/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|----|----|
| PLC 类型 | Fuji NB Series | | |
| PLC 界面 | RS485 4W | | |
| 传输速率 | 19200 | | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

PLC 设定:

| | |
|------|---------------------------------------|
| 通讯模式 | NITP protocol / PLC Password (默认值为 0) |
|------|---------------------------------------|



设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-----|---------|----------------|
| B | Y | HHH | 0 ~ 7ff | Output Relay |
| B | X | HHH | 0 ~ 3ff | Input Relay |
| B | M | HHH | 0 ~ fff | Internal Relay |
| B | L | HHH | 0 ~ fff | Latch Relay |
| B | C | HH | 0 - ff | Counter |



| | | | | |
|---|-------|------|----------|------------------|
| B | M_Spe | HHHH | 0 ~ 81ff | Special Relay |
| B | T | HHH | 0 ~ 1ff | Timer |
| W | TV | HHH | 0 ~ 3ff | Timer value |
| W | CV | HHH | 0 ~ 3ff | Counter value |
| W | D | HHHH | 0 ~ 1fff | Data Register |
| W | D_Spe | HHHH | 0 ~ 81ff | Special Register |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | Fuji NB Series RS422 8P RJ45 Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 3 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 5 RX+ |
| 5 GND | | | |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | Fuji NB Series RS422 8P RJ45 Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 3 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 5 RX+ |
| 5 GND | | | |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | May/05/2009 | |

GE FANUC 0i MD

网站: http://www.fanucfa.com/welcome_worldwide/

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|----|----|
| PLC 类型 | GE FANUC 0i MD | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

| | | |
|------|-----|--|
| 在线仿真 | YES | |
|------|-----|--|

PLC 设定:

Reader/Puncher interface (2ch.) is used for the Touch panel interface.

External touch panel interface, S/N: A02B-0320-J685, for Power Mate Series.


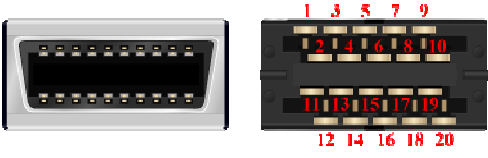
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|----|
| B | X | DDDDo | 0 ~ 11277 | |
| B | Y | DDDDo | 0 ~ 11277 | |

| | | | | |
|---|--------|-------|-----------|----------|
| B | K | DDDo | 0 ~ 9997 | |
| B | E | DDDDo | 0 ~ 99997 | |
| B | D_Bit | DDDDo | 0 ~ 99997 | |
| B | R_Bit | DDDDo | 0 ~ 94997 | |
| W | T | DDDD | 0 ~ 9499 | 需为 2 的倍数 |
| W | C | DDDD | 0 ~ 5199 | 需为 4 的倍数 |
| W | D_Byte | DDDD | 0 ~ 9999 | |
| W | R_Byte | DDDD | 0 ~ 9499 | |
| W | D | DDDD | 0 ~ 9999 | 需为 2 的倍数 |
| W | R | DDDD | 0 ~ 9499 | 需为 2 的倍数 |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|--------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | GE FANUC 0i MD RS232 20P JD36B or JD54 Female |
| 2 RX | | | 11 TX |
| 3 TX | | | 1 RX |
| 5 GND | | | 8 GND |
| 7 RTS | circuit | | |
| 8 CTS | | | |
| | | 15 RTS | circuit |
| | | 05 CTS | |
| | | 03 DR | circuit |
| | | 07 CD | |
| | | 13 ER | |
|  | |  | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | May/13/2011 | 发布驱动程序. |

GE Fanuc CMM

网站: <http://www.ge.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------|-------------------------------|--------|
| PLC 类型 | GE Fanuc CMM | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 19200 | 9600,19200,38400,57600,115200 | |
| 校验 | Odd | Even, Odd, None | |
| 数据位 | 8 | 7,8 | 需设定为 8 |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 0 | 0-255 | |

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|-----------------------|
| B | I | DDDDD | 1 ~ 10000 | Input relay |
| B | Q | DDDDD | 1 ~ 10000 | Output relay |
| B | M | DDDDD | 1 ~ 10000 | Auxiliary relay |
| B | G | DDDD | 1 ~ 7680 | |
| B | T | DDD | 1 ~ 256 | |
| B | SA | DDD | 1 ~ 128 | |
| B | SB | DDD | 1 ~ 128 | |
| B | SC | DDD | 1 ~ 128 | |
| B | S | DDD | 1 ~ 128 | |
| W | AI | DDDDD | 1 ~ 10000 | Analog input register |

| | | | | |
|---|----|-------|-----------|------------------------|
| W | AQ | DDDDD | 1 ~ 10000 | Analog output register |
| W | R | DDDDD | 1 ~ 32640 | Data register |



接线图:

CPU Port 90-30/VersaMax





MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | 90-30/VersaMax RS485 4W 15P D-Sub Male |
| 1 RX- | | | 12 SDA |
| 2 RX+ | | | 13 SDB |
| 5 GND | | | 7 GND |
| 3 TX- | | | 10 RDA |
| 4 TX+ | | | 11 RDB |
| | | | 9 RT |
| | | | 6 RTSA |
| | | | 15 CTSA |
| | | | 8 RTSB |
| | | | 14 CTSB |
| | | | circuit |
| | | | circuit |
| | | | circuit |
|  | | |  |



MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | 90-30/VersaMax RS485 4W 15P D-Sub Male |
| 1 RX- | | | 12 SDA |
| 2 RX+ | | | 13 SDB |
| 5 GND | | | 7 GND |
| 3 TX- | | | 10 RDA |
| 4 TX+ | | | 11 RDB |
| | | | 9 RT |
| | | | 6 RTSA |
| | | | 15 CTSA |
| | | | 8 RTSB |
| | | | 14 CTSB |
| | | | circuit |
| | | | circuit |
| | | | circuit |
|  | | |  |

CPU Port (90-30 series CPU351/352/363/364)
MT6000/8000 series except MT6050i/MT8050i





| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | 90-30/90-70 series RS232 6P RJ11 Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 5 RX |
| 5 GND | 5 GND | 5 GND | 3 GND |
|  |  |  |  |

MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | 90-30/90-70 series RS232 6P RJ11 Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 5 RX |
| 5 GND | | | 3 GND |
|  | | |  |

CPU Port (VersaMax series CPU001/002/005/E05)

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | VersaMax series RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | VersaMax series RS232 9P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Jul/09/2009 | 发布驱动程序. |

GE Fanuc RX3i

网站: <http://www.ge.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------|-----------------|----|
| PLC 类型 | GE Fanuc RX3i | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 19200 | 1200~115200 | |
| 数据位 | 8 | | |
| 校验 | Odd | None, Even, Odd | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | 1~99 | |





设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|----|
| B | I | DDDDD | 1 ~ 32768 | |
| B | Q | DDDDD | 1 ~ 32768 | |
| B | M | DDDDD | 1 ~ 32768 | |
| B | G | DDDDD | 1 ~ 32768 | |
| B | T | DDDDD | 1 ~ 32768 | |
| B | SA | DDDDD | 1 ~ 32768 | |
| B | SB | DDDDD | 1 ~ 32768 | |
| B | SC | DDDDD | 1 ~ 32768 | |
| B | S | DDDDD | 1 ~ 32768 | |
| W | AI | DDDDD | 1 ~ 32768 | |



| | | | | |
|---|----|-------|-----------|--|
| W | AQ | DDDDD | 1 ~ 32768 | |
| W | R | DDDDD | 1 ~ 32768 | |

接线图:
GE Fanuc RX3i COM1

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | GE Fanuc RX3i COM1 RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | GE Fanuc RX3i COM1 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 5 GND |
|  | | |  |



GE Fanuc RX3i COM2

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | GE Fanuc RX3i COM2 RS232 15P D-Sub Male |
|--------------------------------|--|--|--------------------------------------------|
| 1 RX- | | | 12 SDA |
| 2 RX+ | | | 13 SDB |
| 5 GND | | | 7 GND |
| 3 TX- | | | 10 RDA |
| 4 TX+ | | | 11 RDB |
| | | | 9 RT |
| | | | 6 RTSA |
| | | | 15 CTSA |
| | | | 8 RTSB |
| | | | 14 CTSB |
| | | | circuit |
| | | | circuit |
| | | | circuit |



MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | GE Fanuc RX3i COM2 RS232 15P D-Sub Male |
| 1 RX- | | | 12 SDA |
| 2 RX+ | | | 13 SDB |
| 5 GND | | | 7 GND |
| 3 TX- | | | 10 RDA |
| 4 TX+ | | | 11 RDB |
| | | | 9 RT |
| | | | 6 RTSA |
| | | | 15 CTSA |
| | | | 8 RTSB |
| | | | 14 CTSB |
| | | | circuit |
| | | | circuit |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Oct/01/2010 | 发布驱动程序. |

GE Fanuc Series 90-30 (Ethernet)

支持系列: GE 90-30 系列, CPU model 374plus.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------------|------|----|
| PLC 类型 | GE Fanuc Series 90-30 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 1 | 1~99 | |
| 连接埠 | 18245 | | |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|-------|-----------|----------------------------------------------|
| B | I_bit | DDDDD | 1 ~ 32768 | |
| B | Q_bit | DDDDD | 1 ~ 32768 | |
| B | M_bit | DDDDD | 1 ~ 32768 | |
| B | G_bit | DDDDD | 1 ~ 32768 | |
| B | T_bit | DDDDD | 1 ~ 32768 | |
| B | SA_bit | DDDDD | 1 ~ 32768 | 只读 |
| B | SB_bit | DDDDD | 1 ~ 32768 | 只读 |
| B | SC_bit | DDDDD | 1 ~ 32768 | 只读 |
| B | S_bit | DDDDD | 1 ~ 32768 | 只读 |
| W | I | DDDDD | 1 ~ 32753 | 地址每次递增 8 Words, ex: I1, I9, I17, I25..... |

| | | | | |
|---|----|-------|-----------|-------------------------------|
| W | Q | DDDDD | 1 ~ 32753 | 递增规则同上, ex:Q1, Q9, Q17... |
| W | M | DDDDD | 1 ~ 32753 | 递增规则同上, ex:M1, M9, M17.. |
| W | G | DDDDD | 1 ~ 32753 | 递增规则同上, ex:G1, G9, G17... |
| W | T | DDDD | 1 ~ 1024 | 递增规则同上, ex:T1, T9, T17.... |
| W | SA | DDDDD | 1 ~ 32753 | 只读, 递增规则同上 |
| W | SB | DDDDD | 1 ~ 32753 | 只读, 递增规则同上 |
| W | SC | DDDDD | 1 ~ 32753 | 只读, 递增规则同上 |
| W | S | DDDDD | 1 ~ 32753 | 只读, 递增规则同上 |
| W | R | DDDDD | 1 ~ 32768 | |
| W | AI | DDDDD | 1 ~ 32768 | |
| W | AQ | DDDDD | 1 ~ 32768 | |


接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|--------------------------------------------------------------------------------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|----|----|----|
| | | |

| | | |
|-------|-------------|--|
| V1.70 | Apr/09/2010 | |
|-------|-------------|--|

GE Fanuc SNP-X

支持系列: GE Fanuc 90 & VersaMax 系列 PLC

网站: <http://www.ge.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-----------------------------------------|--------|
| PLC 类型 | GE Fanuc SNP-X | | |
| PLC 界面 | RS485 4w | RS232/RS485 | |
| 传输速率 | 19200 | 9600, 19200, 38400, 57600, 115200 | |
| 校验 | Odd | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | 需设定为 8 |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 0 | 0-255 | |

PLC 设定:

Refer to related PLC manual.

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|--------------|
| B | I | DDDDD | 1 ~ 10000 | Input relay |
| B | Q | DDDDD | 1 ~ 10000 | Output relay |

| | | | | |
|---|----|-------|-----------|------------------------|
| B | M | DDDDD | 1 ~ 10000 | Auxiliary relay |
| B | G | DDDD | 1 ~ 7680 | |
| B | T | DDD | 1 ~ 256 | |
| B | SA | DDD | 1 ~ 128 | |
| B | SB | DDD | 1 ~ 128 | |
| B | SC | DDD | 1 ~ 128 | |
| B | S | DDD | 1 ~ 128 | |
| W | AI | DDDDD | 1 ~ 10000 | Analog input register |
| W | AQ | DDDDD | 1 ~ 10000 | Analog output register |
| W | R | DDDDD | 1 ~ 32640 | Data register |

接线图:

注释: 90 VersaMax GE FANUC 系列 PLC 包含 90-30, 90-70, VersaMax Micro,

VersaMax Nano 和 VersaMax,等等. 90-30 系列 CPU 可以使用 RS485 通讯模块, 利用

SNP GE 系列通讯协议可与 EasyView MT8000HMI 连接, 此外,

CPU331/340/341/350/351/352/360/363/364 可以透过 CMM311 连接通讯模块,



CPU351/352/363/364 也可透过串行端口连接 CPU Unit ; 90-70 系列 CPU 可连接

CMM711 通讯模块或连接串行端口 CPU Unit.



CPU Port (90-30/VersaMax)

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|----------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | 90-30/VersaMax RS422 15P D-Sub Male |
| 1 RX- | | | 12 SDA |
| 2 RX+ | | | 13 SDB |
| 5 GND | | | 7 GND |
| 3 TX- | | | 10 RDA |
| 4 TX+ | | | 11 RDB |
| | | | 9 RT |
| | | | 6 RTSA |
| | | | 15 CTSA |
| | | | circuit |
| | | | circuit |





| | | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|---------|
| | | | 8 RTSB 14 CTSB | circuit |
|  | | |  | |

MT6050i/MT8050i

| | | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| COM1 RS485 4W 9P D-Sub Female | | | 90-30/VersaMax RS422 15P D-Sub Male | |
| 1 RX- | | | 12 SDA | |
| 2 RX+ | | | 13 SDB | |
| 5 GND | | | 7 GND | |
| 3 TX- | | | 10 RDA | |
| 4 TX+ | | | 11 RDB | circuit |
| | | | 9 RT | |
| | | | 6 RTSA | circuit |
| | | | 15 CTSA | |
| | | | 8 RTSB | circuit |
| | | | 14 CTSB | |
|  | | |  | |

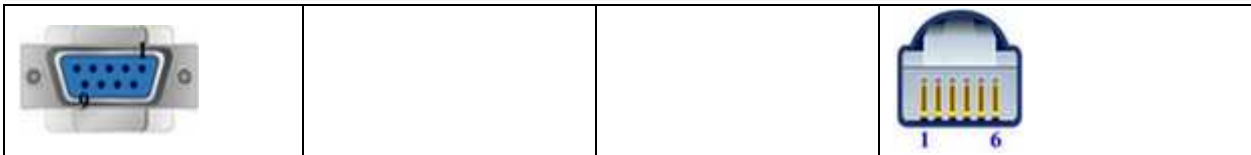
CPU Port (90-30 series CPU351/352/363/364)

MT6000/8000 series excepts MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | 90-30/90-70 series RS232 6P RJ11 Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 5 RX |
| 5 GND | 5 GND | 5 GND | 3 GND |
|  |  |  |  |





MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | 90-30/90-70 series RS232 6P RJ11 Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 5 RX |
| 5 GND | | | 3 GND |





CPU Port (VersaMax series CPU001/002/005/E05)

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | VersaMax series RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | VersaMax series RS232 9P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Jan/09/2009 | |

HanYoung Series

支持系列: Temperature Controller.

网站: <http://hynux.com/kor/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|-----------------|----|
| PLC 类型 | Han Young Seires | | |
| PLC 界面 | RS485 4W | | |
| 传输速率 | 9600 | | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | 0-255 | |


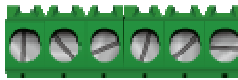
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| B | I | DDDD | 1 ~ 9999 | |
| W | D | DDDD | 1 ~ 9999 | |


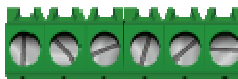
接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|-----------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | Han Young RS422 terminal |
| 1 RX- | | | 32 TX- |
| 2 RX+ | | | 31 TX+ |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 3 TX- | | | 34 RX- |
| 4 TX+ | | | 33 RX+ |
| 5 GND | | | |
|  | | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | Han Young RS422 terminal |
| 1 RX- | | | 32 TX- |
| 2 RX+ | | | 31 TX+ |
| 3 TX- | | | 34 RX- |
| 4 TX+ | | | 33 RX+ |
| 5 GND | | | |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.60 | Jun/14/2010 | |

Heng Yuan Sensor

支持系列：EU 系列, EU5 系列, EU10 系列.

网站：<http://www.tjhysensor.cn/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|------|----|
| PLC 类型 | Heng Yuan Sensor | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 2 | 1-31 | |

| | | |
|------|-----|--|
| 在线仿真 | YES | |
| 扩展模式 | YES | |




设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|------|----------|----|
| W | Parameter | DDDD | 0 ~ 2000 | |




接线图:

9P D-Sub to 7P Mini-DIN: EU05 series

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | Heng Yuan Sensor RS485 |
| 1 RX- | 6 Data- | | 7 RX- (Yellow) |
| 2 RX+ | 9 Data+ | | 6 RX+ (Green) |
| 5 GND | 5 GND | | 4 GND (Black) |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | Heng Yuan Sensor RS485 |
| 1 RX- | 7 Data- | | 7 RX- (Yellow) |
| 2 RX+ | 8 Data+ | | 6 RX+ (Green) |
| 5 GND | 5 GND | | 4 GND (Black) |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Dec/30/2008 | 发布驱动程序. |

HITACHI EH-SIO

HMI 设定:





| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|--------------------|----|
| PLC 类型 | HITACHI EH-SIO | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 19200 | 9600, 19200, 38400 | |
| 校验 | Even | Even | |
| 数据位 | 7 | 7 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | | |

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|----------|-----------------------------|
| B | X | HHHHh | 0 ~ ffff | External input-bit (X) |
| B | Y | HHHHh | 0 ~ ffff | External output-bit (Y) |
| B | M | HHHHh | 0 ~ ffff | Data area-bit (M) |
| B | T | HHHHh | 0 ~ ffff | Timer (T) |
| B | R | HHHHh | 0 ~ ffff | Internal output (R) |
| B | L | HHHHh | 0 ~ ffff | Link area-bit (L) |
| W | TC | HH | 0 ~ ff | Timer/Counter current value |
| W | WM | HHHH | 0 ~ 270f | Data area-word (M) |
| W | WX | HHHH | 0 ~ 270f | External input-word (X) |
| W | WY | HHHH | 0 ~ 270f | External output-word (Y) |
| W | WR | HHHH | 0 ~ 270f | Internal output-word (R) |
| W | WL | HHHH | 0 ~ 270f | Link area-word (L) |

接线图:
EH-SIO port1/port 2 RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P RJ45 Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 5 SD |
| 3 TX | 4 TX | 7 TX | 6 RD |
| 5 GND | 5 GND | 5 GND | 1 SG |
| 8 CTS | | | 8 RS |
| | | | 4 PHL |
| | | | 7 DR |
| | | | circuit |
|  |  |  |  |



MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 8P RJ45 Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 5 SD |
| 6 TX | | | 6 RD |
| 5 GND | | | 1 SG |
| | | | 8 RS |
| | | | 4 PHL |
| | | | 7 DR |
| | | | circuit |
|  | | |  |



EH-SIO port2 RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | Hitachi EH-SIO |
|--------------------------------|--|--|----------------|
| 1 RX- | | | 2 TX- |
| 2 RX+ | | | 1 TX+ |
| 3 TX- | | | 4 RX- |
| 4 TX+ | | | 3 RX+ |
| 5 GND | | | 6 SG |



| | | | |
|-----------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------|
|  | | |  6.....1 |
|-----------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------|

MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | Hitachi EH-SIO |
| 1 RX- | | | 2 TX- |
| 2 RX+ | | | 1 TX+ |
| 3 TX- | | | 4 RX- |
| 4 TX+ | | | 3 RX+ |
| 5 GND | | | 6 SG |
|  | | |  6.....1 |

EH-SIO port2 RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--------------------------------|--|--------------------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | Hitachi EH-SIO |
| 1 RX- | 6 Data- | | 2 TX- |
| | | | 4 RX- |
| 2 RX+ | 9 Data+ | | 1 TX+ |
| | | | 3 RX+ |
| 5 GND | 5 GND | | 6 SG |
|  | | |  6.....1 |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|----------------------------------|--|--------------------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | Hitachi EH-SIO |
| 1 RX- | 7 Data- | | 2 TX- |
| | | | 4 RX- |
| 2 RX+ | 8 Data+ | | 1 TX+ |
| | | | 3 RX+ |
| 5 GND | 5 GND | | 6 SG |
|  | | |  6.....1 |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | May/25/2010 | 发布驱动程序. |

HITACHI EHV Series (Ethernet)

网站: <http://www.hitachi-ies.co.jp/english/products/plc/index.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------------|-----------|----|
| PLC 类型 | HITACHI EHV Series (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 3004 | 3004~3007 | |


设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|-----------------------------|
| B | X | HHHHh | 0 ~ ffff | External input-bit (X) |
| B | Y | HHHHh | 0 ~ ffff | External output-bit (Y) |
| B | M | HHHHh | 0 ~ ffff | Data area-bit (M) |
| B | T | DDDDD | 0 ~ 65535 | Timer (T) |
| B | R | HHHHh | 0 ~ ffff | Internal output (R) |
| B | L | HHHHh | 0 ~ ffff | Link area-bit (L) |
| W | TC | DDDD | 0 ~ 2559 | Timer/Counter current value |
| W | WM | HHHH | 0 ~ 7fff | Data area-word (M) |
| W | WX | HHHH | 0 ~ ffff | External Input-word (X) |
| W | WY | HHHH | 0 ~ ffff | External output-word (Y) |
| W | WR | HHHH | 0 ~ ffff | Internal output-word (R) |
| W | WL | HHHH | 0 ~ 73ff | Link area-word (L) |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Jan/12/2010 | 发布驱动程序 |

HITACHI H/EH/EHV Series

支持系列: HITACHI H 系列, EH-150, Micro-EH, H20, H40, H64, H200, H250, H252, H300, H302, H700, H702, H1000, H1002, H2000, H4010.

网站: <http://www.hitachi-ies.co.jp/english/products/plc/index.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------|--------------------|----|
| PLC 类型 | HITACHI H/EH/EHV Series | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 19200 | 9600, 19200, 38400 | |
| 校验 | Even | Even | |
| 数据位 | 7 | 7 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 0-255 | |

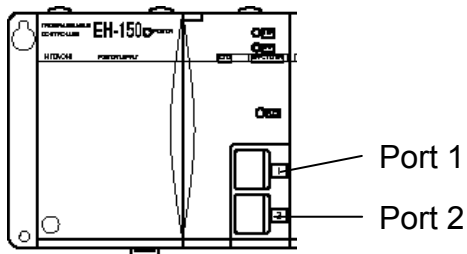
| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 广播命令 | NO |
| 扩展模式 | NO | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|----------|-----------------------------|
| B | X | HHHHh | 0 ~ ffff | External input-bit (X) |
| B | Y | HHHHh | 0 ~ ffff | External output-bit (Y) |
| B | M | HHHHh | 0 ~ ffff | Data area-bit (M) |
| B | T | HHHHh | 0 ~ ffff | Timer (T) |
| B | R | HHHHh | 0 ~ ffff | Internal output (R) |
| B | L | HHHHh | 0 ~ ffff | Link area-bit (L) |
| W | TC | HH | 0 ~ ff | Timer/Counter current value |
| W | WM | HHHH | 0 ~ 270f | Data area-word (M) |
| W | WX | HHHH | 0 ~ 270f | External input-word (X) |
| W | WY | HHHH | 0 ~ 270f | External output-word (Y) |
| W | WR | HHHH | 0 ~ c3ff | Internal output-word (R) |
| W | WL | HHHH | 0 ~ 270f | Link area-word (L) |

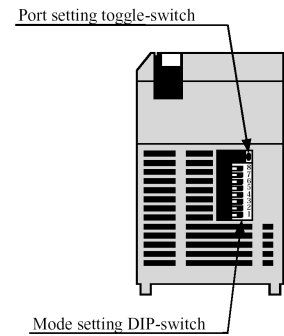
接线图:

注意: 若你的接线不是如下图所示, 有可能会导致 HMI 受损或没通讯.

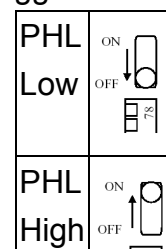


| CPU 类型 | Port 1 | Port 2 |
|-----------------|---------------|--------|
| EH-150/CPU 104A | RS-232 | RS-232 |
| EH-150/CPU 208A | RS-232 | RS-232 |
| EH-150/CPU 308A | RS-232/RS-485 | RS-232 |
| EH-150/CPU 316A | RS-232/RS-485 | RS-232 |
| EH-150/CPU 448A | RS-232/RS-485 | RS-232 |

| Switch Number | | | | |
|---------------|-----|-----------------|--------------------------|-----------------|
| 1 | OFF | Normal mode | | |
| 2 | OFF | TRNS0 operation | | |
| 3, 4 | 3 | 4 | Port1 transmission speed | |
| | ON | ON | 4,800 bps | Doesn't support |
| | OFF | ON | 9,600 bps | |
| | ON | OFF | 19,200 bps | Default |
| | OFF | OFF | 38,400 bps | |
| 5 | ON | Dedicated port | | |
| 6 | 6 | PHL | Port2 transmission speed | |
| | ON | Low | 9,600 bps | |
| | ON | High | 38,400 bps | |
| | OFF | Low | 4,800 bps | Doesn't support |
| | OFF | High | 19,200 bps | Default |
| 7 | OFF | (System mode) | | Do not turn on. |
| 8 | OFF | (System mode) | | Do not turn on. |



Toggle-Switch




EH-150 port1/port 2 RS232 / MICRO-EH port1 RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P RJ45 Male | |
|-------------------------------|-------------------------------|-----------------------------|--------------------|---------|
| 2 RX | 6 RX | 8 RX | 5 SD | |
| 3 TX | 4 TX | 7 TX | 6 RD | |
| 5 GND | 5 GND | 5 GND | 1 SG | |
| 8 CTS | | | 8 RS | |
| | | | 4 PHL | circuit |
| | | | 7 DR | |
| | | | | |



MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 8P RJ45 Male |
|-------------------------------|--|--|--------------------|
| 9 RX | | | 5 SD |
| 6 TX | | | 6 RD |
| 5 GND | | | 1 SG |
| | | | 8 RS |



| | | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|---------|
| | | | 4 PHL | circuit |
| | | | 7 DR | |
|  | | |  | |

EH-150 port1 RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 8P RJ45 Male |
| 1 RX- | | | 5 TX- |
| 2 RX+ | | | 4 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 7 RX+ |
| 5 GND | | | 1 SG |
|  | | |  |



MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 8P RJ45 Male |
| 1 RX- | | | 5 TX- |
| 2 RX+ | | | 4 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 7 RX+ |
| 5 GND | | | 1 SG |
|  | | |  |



EH-150 port1 RS485 2W

MT6000/8000 series except MT6050i/MT8050i





| | | | |
|--------------------------------|--------------------------------|--|--------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 8P RJ45 Male |
| 1 RX- | 6 Data- | | 4 TX+ |
| | | | 7 RX+ |
| 2 RX+ | 9 Data+ | | 5 TX- |
| | | | 6 RX- |
| | | | circuit |
| | | | circuit |

| | | | |
|-----------------------------------------------------------------------------------|-------|--|-------------------------------------------------------------------------------------|
| 5 GND | 5 GND | | 1 SG |
|  | | |  |

MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|----------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 8P RJ45 Male |
| 1 RX- | 7 Data- | | 4 TX+ |
| | | | 7 RX+ |
| 2 RX+ | 8 Data+ | | 5 TX- |
| | | | 6 RX- |
| 5 GND | 5 GND | | 1 SG |
|  | | |  |

H Series CPU Port RS232
MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 15P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 9 SG |
| | | | 10 SG |
| 8 CTS | | | 4 RTS |
| | | | 5 CTS |
| | | | 7 DSR |
| | | | 8 PHL |
| | | | 14 PV12 |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|----------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 15P D-Sub Male |
| 9 RX | | | 5 SD |
| 6 TX | | | 6 RD |
| 5 GND | | | 1 SG |
| | | | circuit |

| | | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|---------|
| | | | 8 RS | circuit |
| | | | 5 CTS | |
| | | | 7 DSR | |
| | | | 8 PHL | |
| | | | 14 PV12 | |
|  | | |  | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Mar/22/2010 | |
| | | |

HUST H4X

支持系列: HUST CNC Controller H4 系列.

网站: <http://www.hust.com.tw/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------|------------------------|----------|
| PLC 类型 | HUST H4X | | |
| PLC 界面 | RS-232 | | CPU port |
| PLC 站号 | 1 | | |
| 传输速率 | 38400 | 9600,19200,38400,57600 | |
| 数据位 | 7 | | |
| 校验 | Even | | |
| 停止位 | 2 | | |
| 延时通讯 | 5 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-----|---------|------------------------------|
| B | I | DDD | 0 ~ 255 | 对映至 VM 10800 ~ 10807 (只读) |

| | | | | |
|----|--------|--------|---------------|------------------------------|
| B | O | DDD | 0 ~ 255 | 对映至 VM 10808 ~ 10815 (只读) |
| B | C | DDD | 0 ~ 255 | 对映至 VM 10816 ~ 10823 (只读) |
| B | S | DDD | 0 ~ 255 | 对映至 VM 10824 ~ 10831 (只读) |
| B | A | DDD | 0 ~ 255 | 对映至 VM 10832 ~ 10863 (只读) |
| B | VM_bit | DDDDdd | 100 ~ 9999931 | Bit address (dd): 00~31 |
| DW | VM | DDDDD | 1 ~ 99999 | 缓存器范围请参考控制器规格 |
| DW | R | DDD | 0 ~ 255 | 对映至 VM 10000~10255 (只读) |
| DW | Cn | DDD | 0 ~ 255 | 对映至 VM 10256~10511 (只读) |
| DW | Tm | DDD | 0 ~ 255 | 对映至 VM 10512~10767 (只读) |



接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | HUST CNC Controller RS232 D-Sub Male |
|-------------------------------|-------------------------------|-----------------------------|-----------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | HUST CNC Controller RS232 D-Sub Male |
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V2.01 | Sep/29/2009 | |

IAI X-SEL CONTROLLER

网站: <http://www.iai-robot.co.jp/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------|-----------------|----|
| PLC 类型 | IAI X-SEL CONTROLLER | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600~19200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 7 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 0 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|----|-------|--------------------------------------------------------------|
| W | Servo_On_Off | H | 1 ~ 8 | 地址 1 ~ 8 表示对应到哪根轴，写 1 为开，写 0 为关 |
| W | Servo_Origin | H | 1 ~ 8 | 地址 1 ~ 8 表示对应到哪根轴，回到原点 |
| W | CurrentAxisPos | H | 1 ~ 8 | 读取当前位置，当前轴状态放在轴*100 的 RW 中，例如，第二轴的状态，存放在 2*100=200, RW200 当中 |
| W | RunProgram | H | 0 | 写入数据表示运行哪一个 program |
| W | EndProgram | H | 0 | 写入数据表示停止哪一个 program |
| W | PointMove | H | 0 ~ 8 | 地址 1~8 表示对应哪根轴，写入的数 |





| | | | | |
|---|---------------|---|-------|--------------------------------------------------------------------------------------------------------|
| | | | | 据表示到哪一个 point 参数，参数 ACC, DEC, SPEED 分别放入轴*100+1,轴*100+2 及轴*100+3 当中 |
| W | JoggingMove | H | 0 ~ 8 | 慢跑，地址 1~8 表示对应哪根轴，参数 ACC, DEC, SPEED 及 Position 分别放入轴*100+11, 轴*100+12, 轴*100+13 及轴*100+14 当中 |
| W | AbsoluteMove | H | 0 ~ 8 | 跑至绝对坐标，地址 1~8 表示对应哪根轴，参数 ACC, DEC, SPEED 及 Position 分别放入轴*100+21, 轴*100+22, 轴*100+23 及轴*100+24 当中 |
| W | PointChange | H | 0 ~ 8 | 修改 point 的值，地址 1~8 表示对应哪根轴，参数 ACC, DEC, SPEED 及 Position 分别放入轴*100+31, 轴*100+32, 轴*100+33 及轴*100+34 当中 |
| W | SoftWareReset | H | 0 | 重置软件 |

注意: ddd: Decimal, hhh: Hexadecimal, ooo: Octal.

每个 CPU 型号皆不同; 我们建议使用者可参考 PLC 手册设备列表.



接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Host RS232 D-Sub Female |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | Host RS232 D-Sub Female |
|-------------------------------|--|--|----------------------------|
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Jun/01/2010 | 发布驱动程序. |

IDEC Micro

支持系列: IDEC Micro3, Micro3C, MicroSmart, OpenNet Controller 系列.

网站: <http://www.idec.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------------|-----------------|----|
| PLC 类型 | IDEC Micro | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7, 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 255 (for 1:1 connect) | 0-255 | |

| | | |
|------|-----|--------------------------|
| 在线仿真 | YES | |
| 扩展模式 | YES | 请勿设 PLC Station No.= 255 |

PLC 设定:





| | |
|------|------------------------------------------------|
| 通讯模式 | 9600, E, 7, 1 (默认值), 使用 Computer Link Protocol |
|------|------------------------------------------------|

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|--------------------|
| B | X | DDDDo | 0 ~ 20477 | Input (I) |
| B | Y | DDDDo | 0 ~ 20477 | Output (Q) |
| B | M | DDDDo | 0 ~ 20477 | Internal Relay (M) |
| W | RT | DDDD | 0 ~ 9999 | Timer (T) |
| W | RC | DDDD | 0 ~ 9999 | Counter (C) |
| W | D | DDDD | 0 ~ 9999 | Data Register (D) |

接线图:
Micro3C, MicroSmart, OpenNet Controller CPU Ladder Port

MT6000/8000 series except MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Port1 or Port2 RS232 8P Mini-DIN Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 7 GND |
|  |  |  |  |

MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | | | Port1 or Port2 RS232 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 7 GND |
|  | | |  |

Micro3 CPU Port, MicroSmart with FC4A-PC2 RS485 Communication Adapter

MT6000/8000 series except MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 8P Mini-DIN Male |
| 1 RX- | 6 Data- | | 2 RXD- |
| 2 RX+ | 9 Data+ | | 1 RXD+ |
| 5 GND | 5 GND | | 7 GND |
|  |  | |  |

MT6050i/MT8050i



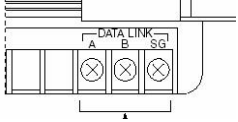
| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 8P Mini-DIN Male |
| 1 RX- | 7 Data- | | 2 RXD- |
| 2 RX+ | 8 Data+ | | 1 RXD+ |
| 5 GND | 5 GND | | 7 GND |
|  |  | |  |

Micro3C, OpenNet Controller Data Link Terminals, MicroSmart with FC4A-PC3 RS485 Communication Adapter

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | Data Link Terminal |
| 1 RX- | 6 Data- | | A RXD- |
| 2 RX+ | 9 Data+ | | B RXD+ |
| 5 GND | 5 GND | | SG GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | Data Link Terminal |
| 1 RX- | 7 Data- | | A RXD- |
| 2 RX+ | 8 Data+ | | B RXD+ |
| 5 GND | 5 GND | | SG GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Jun/19/2009 | |

INOVANCE H2U/H1U

网站: <http://www.inovance.cn/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|-----------------|----|
| PLC 类型 | INOVANCE H2U/H1U | | |
| PLC 界面 | RS485 4W | | |
| 传输速率 | 9600 | 9600~19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 0 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|--------|-------------|-------------------------|
| B | X | OOO | 0 ~ 377 | Input Bits |
| B | Y | OOO | 0 ~ 377 | Output Bits |
| B | M | DDDD | 0 ~ 7999 | Auxiliary Relay |
| B | T | DDD | 0 ~ 255 | Timer Relay |
| B | C | DDD | 0 ~ 255 | Counter Relay |
| B | SM | DDDD | 8000 ~ 9999 | Special Auxiliary Relay |
| B | D_Bit | DDDDdd | 0 ~ 799915 | |
| B | S | DDDD | 0 ~ 4095 | |
| W | TV | DDD | 0 ~ 255 | Timer Memory |
| W | CV | DDD | 0 ~ 199 | Counter Memory |


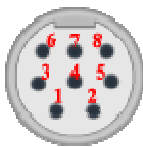
| | | | | |
|----|-----|------|-------------|------------------------|
| W | D | DDDD | 0 ~ 7999 | Data Registers |
| DW | CV2 | DDD | 200 ~ 255 | Counter Memory (32bit) |
| W | SD | DDDD | 8000 ~ 9999 | Special Data Register |

注意: ddd: Decimal, hhh: Hexadecimal, ooo: Octal.


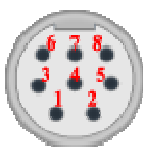
每个 CPU 型号皆不同; 我们建议使用者可参考 PLC 手册设备列表.

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | H2U/H1U RS422 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | H2U/H1U RS422 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | May/19/2010 | 发布驱动程序. |

Intelligent Servo

支持系列: Intelligent Servo supports IDM640, IDM240.

网站: <http://www.techsoftmotion.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|-----------------|----|
| PLC 类型 | Intelligent Servo | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|-------|-----------|--------------|
| W | Register_32bit | HHHH | 0 ~ 270f | 32bit signed |
| DW | Register_H | HHHH | 0 ~ 270f | 32bit Hex |
| W | UPD | HHHHH | 0 ~ 1869f | 传送 UDP 命令 |
| W | STOP | HHHHH | 0 ~ 1869f | 传送 STOP 命令 |



接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Servo RS232 D-Sub Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|
| 2 RX | 6 RX | 8 RX | 2 TD |
| 3 TX | 4 TX | 7 TX | 3 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |



MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | Servo RS232 D-Sub Male |
| 9 RX | | | 2 TD |
| 6 TX | | | 3 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Nov/06/2009 | 发布驱动程序. |

Justfi controller

支持系列: Justfi weighing instruments, Industrial Batching Controller supports XK31CB4, XK31CB6.

网站: <http://www.justfi.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|-----------------|----|
| PLC 类型 | Justfi controller | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | | |





设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|---------|----|--------|-------------------------|
| W | Func | DD | 0 ~ 99 | 读/写 |
| DW | Func_DW | DD | 0 ~ 99 | 读/写 |
| W | RW | H | 0 | Weight (只读) |
| W | RF | H | 0 | Read result (只读) |
| W | RT | H | 0 | Read total (只读) |
| W | RG | H | 0 | Read prescription group |
| W | RC | H | 0 | Circle |
| W | RB | H | 0 | Read Status (只读) |
| W | MZ | H | 0 | Zero (唯写) |
| W | MT | H | 0 | Tare (唯写) |
| W | CT | H | 0 | Clear tare (唯写) |
| W | DT | H | 0 | Clear total (唯写) |
| W | BB | H | 0 | Start (唯写) |
| W | HB | H | 0 | Stop (唯写) |
| W | BD | H | 0 | Discharge (唯写) |
| W | RP1t | H | 0 | 读/写 Recipe |



| | | | | |
|--|----------------------|--|--|--|
| | RP6F | | | |
|--|----------------------|--|--|--|

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | CB4 RS232 |
| 2 RX | 6 RX | 8 RX | TD |
| 3 TX | 4 TX | 7 TX | RD |
| 5 GND | 5 GND | 5 GND | GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | CB4 RS232 |
| 9 RX | | | TD |
| 6 TX | | | RD |
| 5 GND | | | GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.40 | Nov/04/2009 | |

Kernel sistemi

支持系列: Kernel sistemi DMX 30

网站: <http://www.kernel.modena.it/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-------|----|
| PLC 类型 | Kernel sistemi | | |
| PLC 界面 | RS232 | RS485 | |
| 传输速率 | 19200 | 9600 | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| W | D | HHHH | 0 ~ ffff | |



接線圖:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------|-------------------------------|-----------------------------|------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | DMX30 RS232 9P D-Sub Male |
|-------------------------------|-------------------------------|-----------------------------|------------------------------|

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | DMX30 RS232 9P D-Sub Male |
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Feb/06/2010 | 发布驱动程序 |

KEYENCE KV-10/16/24/40/80/Visual KV Series

支持系列: KEYENCE KV 系列, KV16~80

网站: <http://www.keyence.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------------------|-------|----|
| PLC 类型 | KEYENCE KV-10/16/24/40/80/Visual KV Series | | |
| PLC 界面 | RS232 | RS232 | |
| 传输速率 | 9600 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|----------|---------|-------------|---------------|
| B | RLY | DDDdd0* | 0 ~ 655150* | bb:0~15 |
| B | DM_Bit | DDDDh | 0 ~ 65535f | |
| W | DM | DDDD | 0 ~ 65535 | |
| W | TM | DDDD | 0 ~ 8999 | |
| W | T | DDDD | 0 ~ 9999 | |
| W | T_Curr | DDDD | 0 ~ 9999 | Timer_Current |
| W | T_Preset | DDDD | 0 ~ 9999 | |

| | | | | |
|---|----------|------|----------|-----------------|
| W | C | DDDD | 0 ~ 9999 | |
| W | C_Curr | DDDD | 0 ~ 9999 | Counter_Current |
| W | C_Preset | DDDD | 0 ~ 9999 | |





Precaution:*

If you use the Relay(bit) register, Please place zero behind address.



For example, If you want to read Relay(bit)100, you just set the address as "1000".

接线图:
RS232 CPU Port:

MT6000/8000 series except MT6050i/MT8050i





| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | OP-26486 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | OP-26486 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

9P D-Sub to 6P RJ11:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P RJ11 Male |
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 3 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P RJ11 Male |
| 9 RX | | | 2 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 3 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.40 | Apr/17/2009 | |

KEYENCE KV-5000 (Ethernet)

支持系列: KV5000, 3000, 1000 系列

网站: <http://www.keyence.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------|----|----|
| PLC 类型 | KEYENCE KV-5000 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 8501 | | |
| PLC 站号 | 0 | | |

设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|----------|-------|-----------|---------------|
| B | MR | DDDdd | 0 ~ 99915 | |
| B | LR | DDDdd | 0 ~ 99915 | |
| B | CR | DDDdd | 0 ~ 99915 | |
| B | RLY | DDDdd | 0 ~ 99915 | |
| W | DM | DDDDD | 0 ~ 65535 | |
| W | TM | DDDD | 0 ~ 9999 | |
| W | T | DDDD | 0 ~ 9999 | |
| W | T_Curr | DDDD | 0 ~ 9999 | Timer Current |
| W | T_Preset | DDDD | 0 ~ 9999 | Timer Preset |
| W | C | DDDD | 0 ~ 9999 | |
| W | C_Curr | DDDD | 0 ~ 9999 | |
| W | C_Preset | DDDD | 0 ~ 9999 | |
| W | CM | DDDDD | 0 ~ 65535 | |

| | | | | |
|---|----|-------|-----------|--|
| W | EM | DDDDD | 0 ~ 65535 | |
| W | FM | DDDDD | 0 ~ 65535 | |

Precaution:


If you use the RLY(bit) register, Please place zero behind address.

For example, if you want to read RLY 100, you just set the address as "1000".

接线图:


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|----|-------------|
|-------------|----|-------------|

| | | |
|-------------------------------------------------------------------------------------|-----|--------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Dec/25/2009 | 发布驱动程序. |

KEYENCE KV-700/1000/3000/5000 Series

网站: <http://www.keyence.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------------|-------|----|
| PLC 类型 | KEYENCE KV-700/1000/3000/5000 Series | | |
| PLC 界面 | RS232 | RS232 | |
| 传输速率 | 115200 | | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|----------|-------|-----------|---------------|
| B | MR | DDDdd | 0 ~ 99915 | |
| B | LR | DDDdd | 0 ~ 99915 | |
| B | CR | DDDdd | 0 ~ 99915 | |
| B | RLY | DDDdd | 0 ~ 99915 | |
| W | DM | DDDDD | 0 ~ 65535 | |
| W | TM | DDDD | 0 ~ 9999 | |
| W | T | DDDD | 0 ~ 9999 | |
| W | T_Curr | DDDD | 0 ~ 9999 | Timer_Current |
| W | T_Preset | DDDD | 0 ~ 9999 | |

| | | | | |
|---|----------|-------|-----------|-----------------|
| W | C | DDDD | 0 ~ 9999 | |
| W | C_Curr | DDDD | 0 ~ 9999 | Counter_Current |
| W | C_Preset | DDDD | 0 ~ 9999 | |
| W | CM | DDDDD | 0 ~ 65535 | |
| W | EM | DDDDD | 0 ~ 65535 | |
| W | FM | DDDDD | 0 ~ 65535 | |





Precaution:

If you use the Relay(bit) register, Please place zero behind address.



For example, If you want to read Relay(bit)100, you just set the address as "1000".

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | OP-26486 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | OP-26486 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V2.20 | Jul/28/2009 | |

Korenix 6550

支持系列: <http://www.korenix.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------|----|-----------|
| PLC 类型 | Korenix 6550 | | Modbus 协议 |
| PLC 界面 | 以太网网络 | | |
| PLC 站号 | | 0 | |
| 连接埠 | 502 | | |

设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|--------|---------|---------------|----|
| B | 1x | DDDDD | 1 ~ 65535 | |
| B | 0x | DDDDD | 1 ~ 65535 | |
| B | 3x_Bit | DDDDDdd | 100 ~ 6553515 | |
| B | 4x_Bit | DDDDDdd | 100 ~ 6553515 | |
| B | 6x_Bit | DDDDDdd | 100 ~ 6553515 | |
| W | 3x | DDDDD | 1 ~ 65535 | |
| W | 4x | DDDDD | 1 ~ 65535 | |
| W | 5x | DDDDD | 1 ~ 65535 | |
| W | 6x | DDDDD | 1 ~ 65535 | |

接线图:

直连网络线 (跳接网络线):




| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|----|-------------|
| | | |

| | | |
|--------|-----|--------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |

| | | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 8 BD3- | 棕 | 8 BD3- |
|  |  |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.61 | Apr/17/2009 | |

Koyo CLICK

支持系列: KOYO CLICK PLC series.

网站: <http://www.automationdirect.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------|----------------|-----------|
| PLC 类型 | Koyo CLICK | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 38400 | 通讯端口 1 (fixed) | 参考 PLC 规格 |
| 校验 | Odd | 通讯端口 1 (fixed) | 参考 PLC 规格 |
| 数据位 | 8 | 通讯端口 1 (fixed) | 参考 PLC 规格 |
| 停止位 | 1 | 通讯端口 1 (fixed) | 参考 PLC 规格 |
| PLC 站号 | 1 | 通讯端口 1 (fixed) | 参考 PLC 规格 |

设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|-----------|-----------|
| B | X | Ddd | 001 ~ 816 | 输入状态 (只读) |
| B | Y | Ddd | 001 ~ 816 | 输出状态 |
| B | C | DDDD | 1 ~ 2000 | 控制位 |

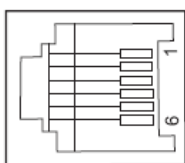
| | | | | |
|---|-----|------|----------|------------------|
| B | T | DDD | 1 ~ 500 | 定时器状态 (只读) |
| B | CT | DDD | 1 ~ 250 | 计数器(只读) |
| B | SC | DDDD | 1 ~ 1000 | 系统控制位 (只读) |
| W | DS | DDDD | 1 ~ 4500 | 数据缓存器 |
| W | DD | DDDD | 1 ~ 1000 | 数据缓存器 (双字符) |
| W | DH | DDD | 1 ~ 500 | 数据缓存器 |
| W | DF | DDD | 1 ~ 500 | 数据缓存器 (双字符) |
| W | XD | D | 0 ~ 8 | 输入状态缓存器 (只读) |
| W | YD | D | 0 ~ 8 | 输出状态缓存器 |
| W | TD | DDD | 1 ~ 500 | 定时器目前数值 (只读) |
| W | CTD | DDD | 1 ~ 250 | 计数器目前数值 (双字符/只读) |
| W | SD | DDDD | 1 ~ 1000 | 系统数据缓存器 (只读) |
| W | TXT | DDDD | 1 ~ 1000 | 文字数据缓存器 |

ddd: 十进制 / hhh:十六进制 / ooo:八进制

接线图:

KOYO CLICK PLC Com Port:





6 pin RJ12 Phone
Type Jack – both ports





| Port 1 Pin Descriptions | | |
|-------------------------|-----|----------------------------|
| 1 | 0V | Power (-) connection (GND) |
| 2 | 5V | Power (+) connection |
| 3 | RXD | Receive data (RS-232) |
| 4 | TXD | Transmit data (RS-232) |
| 5 | NC | No connection |
| 6 | 0V | Power (-) connection (GND) |

| Port 2 Pin Descriptions | | |
|-------------------------|-----|----------------------------|
| 1 | 0V | Power (-) connection (GND) |
| 2 | 5V | Power (+) connection |
| 3 | RXD | Receive data (RS-232) |
| 4 | TXD | Transmit data (RS-232) |
| 5 | RTS | Request to send |
| 6 | 0V | Power (-) connection (GND) |

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P RJ12 Male |
| 2 RX | 6 RX | 8 RX | 4 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 1 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P RJ12 Male |
| 9 RX | | | 4 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 1 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.50 | Jun/22/2010 | |

KOYO DIRECT

支持系列: KOYO DirectLogic series PLC DL05, DL06, DL105, DL205, DL305, and DL405 series.

网站: <http://www.automationdirect.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------|--------------------|----|
| PLC 类型 | KOYO DIRECT | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 9600 | 9600, 19200, 38400 | |
| 校验 | Odd | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 1 | 1-90 | |

PLC 设定:

| | |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <ol style="list-style-type: none"> 1. PLC 不可有密码。 2. PLC 必须设定为全双工操作。 3. PLC 必须设定为无硬件信号交换。 4. PLC 必须设定为使用 'K' 序列协议。 |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|--|---------------------------------------------------------|
| | 5. 模式设定为 TERM 模式。 6. 使用 D4-440 CPU 时, 站号必须设定为 1。 |
|--|---------------------------------------------------------|

设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|---------|-------|-----------|----------|
| B | X | OOOO | 0 ~ 4000 | 输入位 |
| B | Y | OOOO | 0 ~ 4000 | 输出位 |
| B | C | OOOOO | 0 ~ 10000 | 控制继电器 |
| B | T | OOOO | 0 ~ 1000 | 定时器状态位 |
| B | CT | OOOO | 0 ~ 1000 | 计数器位 |
| B | S | OOOO | 0 ~ 2000 | |
| B | SP | OOOO | 0 ~ 2000 | |
| B | GX | OOOOO | 0 ~ 10000 | |
| B | GY | OOOOO | 0 ~ 10000 | |
| W | V | OOOOO | 0 ~ 77777 | V Memory |
| W | Timer | OOOO | 0 ~ 1000 | |
| W | Counter | OOOO | 0 ~ 1000 | |

接线图:

9P D-Sub to 6P RJ12 Jack: CPU unit:



DL05/DL06/DL105/DL230/DL240/DL250/DL350/DL450 RS232 port

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | KOYO CLICK PLC RS232 6P RJ12 Male |
|-------------------------------|-------------------------------|-----------------------------|--------------------------------------|
| 2 RX | 6 RX | 8 RX | 4 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 1 GND |







MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | KOYO CLICK PLC RS232 6P RJ12 Male |
| 9 RX | | | 4 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 1 GND |
|  | | |  |

9P D-Sub to 15P D-Sub: CPU unit: DL06/DL250 CPU Port2 RS232

MT6000/8000 series except MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 Port2 15P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 7 GND |
| | | | 4 RTC |
| | | | 5 CTS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 Port2 15P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 7 GND |
| | | | 4 RTC |
| | | | 5 CTS |
| | | | circuit |
|  | | |  |

9P D-Sub to 15P D-Sub: CPU unit: DL06/DL250 CPU Port2 RS422

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 Port2 15P D-Sub Male |
| 1 RX- | | | 10 TX- |
| 2 RX+ | | | 9 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 13 RX+ |
| 5 GND | | | 7 GND |
| | | | 11 RTS+ |
| | | | 14 CTS+ |
| | | | 12 RTS- |
| | | | 15 CTS- |
| | | | Circuit |
| | | | Circuit |
|  | | |  |





MT6050i/MT8050i

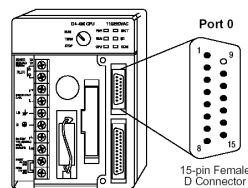
| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 Port2 15P D-Sub Male |
| 1 RX- | | | 10 TX- |
| 2 RX+ | | | 9 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 13 RX+ |
| 5 GND | | | 7 GND |
| | | | 11 RTS+ |
| | | | 14 CTS+ |
| | | | 12 RTS- |
| | | | 15 CTS- |
| | | | Circuit |
| | | | Circuit |
|  | | |  |

Note: DL06/DL250 CPU Port2 include RS232 and RS422

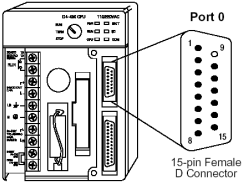


9P D-Sub to 15P D-Sub: CPU unit: DL430/DL440/DL450 CPU unit Port0 RS232

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 Port0 15P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 13 GND |
| | | | 1 YOP |
| | | | 7 CTS |
| | | | 2 YOM |
| | | | 4 ONLINE |
| | | | 14 GND |
| | | | circuit |
| | | | circuit |
|  |  |  |  |

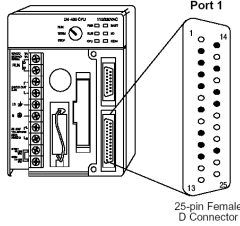





MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|-------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 Port0 15P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 13 GND |

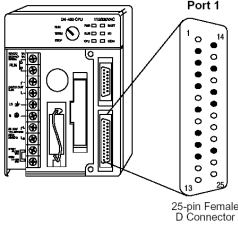


| | | | | |
|------------------------------------------------------------------------------------|---------|--|-------------------------------------------------------------------------------------|---------|
|  | | | 1 YOP | circuit |
| | | | 7 CTS | |
| 2 YOM | | | | |
| 4 ONLINE | circuit | | | |
| 14 GND | | | | |
|  | | |  | |

9P D-Sub to 25P D-Sub: CPU unit: DL430/DL440/DL450 CPU unit Port1 & DL350 CPU unit Port2 RS232

MT6000/8000 series except MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 Port1 25P D-Sub Male | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 2 TX | |
| 3 TX | 4 TX | 7 TX | 3 RX | |
| 5 GND | 5 GND | 5 GND | 7 GND | |
|  | | | 4 RTC | Circuit |
| | | | 5 CTS | |
|  |  |  |  | |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | RS232 Port1 25P D-Sub Male | |
|--------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | 2 TX | |
| 6 TX | | | 3 RX | |
| 5 GND | | | 7 GND | |
|  | | | 4 RTC | Circuit |
| | | | 5 CTS | |
|  | | |  | |

9P D-Sub to 25P D-Sub: CPU unit: DL430/DL440/DL450 CPU unit Port1 & DL350 CPU unit Port2 RS422

MT6000/8000 series except MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 Port 25P D-Sub Male |
| 1 RX- | | | 16 TX- |
| 2 RX+ | | | 14 TX+ |
| 3 TX- | | | 10 RX- |
| 4 TX+ | | | 9 RX+ |
| 5 GND | | | 7 GND |
| | | | 19 RTS+ |
| | | | 11 CTS+ |
| | | | 18 RTS- |
| | | | 23 CTS- |
| | | | Circuit |
| | | | Circuit |
|  | | |  |

MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 Port 25P D-Sub Male |
| 1 RX- | | | 16 TX- |
| 2 RX+ | | | 14 TX+ |
| 3 TX- | | | 10 RX- |
| 4 TX+ | | | 9 RX+ |
| 5 GND | | | 7 GND |
| | | | 19 RTS+ |
| | | | 11 CTS+ |
| | | | 18 RTS- |
| | | | 23 CTS- |
| | | | Circuit |
| | | | Circuit |
|  | | |  |

9P D-Sub to 25P D-Sub: CPU unit: DL450 CPU unit Port3 RS422
MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|-------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 Port3 25P D-Sub Male |
| 1 RX- | | | 13 TX- |
| 2 RX+ | | | 12 TX+ |
| 3 TX- | | | 25 RX- |





| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 4 TX+ | | | 24 RX+ |
| 5 GND | | | 7 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 Port3 25P D-Sub Male |
| 1 RX- | | | 13 TX- |
| 2 RX+ | | | 12 TX+ |
| 3 TX- | | | 25 RX- |
| 4 TX+ | | | 24 RX+ |
| 5 GND | | | 7 GND |
|  | | |  |

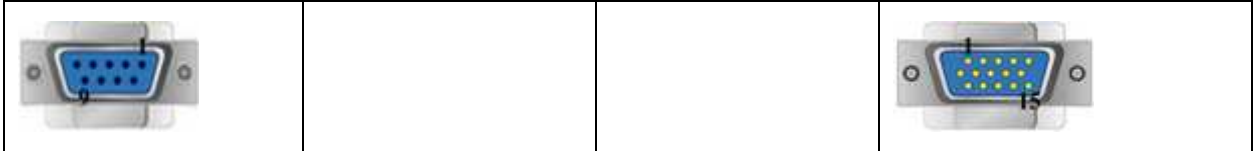
9P D-Sub to 25P D-Sub: Communication unit: DL205 series D2-DCM and DL405 series D4-DCM RS232

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 Port 25P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 7 GND |
| | | | 4 RTC |
| | | | 5 CTS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 Port 25P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 7 GND |
| | | | 4 RTC |
| | | | 5 CTS |
| | | | circuit |



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Nov/02/2010 | |

Koyo Ethernet

支持系列: KOYO DirectLogic series, model H0-ECOM100, H2-ECOM100.

网站: <http://www.automationdirect.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------|----|--------|
| PLC 类型 | Koyo Ethernet | | |
| PLC 界面 | 以太网网络 | | UDP/IP |
| PLC 站号 | 不需设定站号 | 0 | |
| 连接埠 | 28784 | | |

设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|-----------------|
| B | GX | 0000 | 0 ~ 3777 | Global I/O |
| B | X | 0000 | 0 ~ 1777 | 真实字符输入 |
| B | SP | 0000 | 0 ~ 1777 | 特殊功用继线器 |
| B | GY | 0000 | 0 ~ 3777 | More Global I/O |
| B | Y | 0000 | 0 ~ 1777 | 真实字符输出 |
| B | C | 0000 | 0 ~ 3777 | 控制继电器 |
| B | S | 0000 | 0 ~ 1777 | 阶段状态位 |
| B | T | 000 | 0 ~ 377 | 定时器状态位 |
| B | CT | 000 | 0 ~ 377 | 计数器位 |

| | | | | |
|---|--------|-------|-----------|-----------------------|
| W | V | OOOOO | 0 ~ 41237 | V Memory |
| W | CMM_32 | HHH | 1 ~ 200 | GX, X, SP |
| W | CCM_33 | HHH | 1 ~ 340 | GY, Y, C, S, Y, CT, V |
| W | CCM_31 | HHHH | 1 ~ 42a0 | V |


EasyBuilder Pro 装置的地址范围可能会依据 PLC 扩展模式不同而相异,请参考 EasyBuilder Pro 上面的地址范围。

ddd:十进制, hhh:十六进制, ooo:八进制

接线图:


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Jul/03/2009 | |

Lenze

支持系列: PLC Model No. : 9300/8200 series, EPL 10200

Pass-through 2102IB fieldbus module: RS485 (LECOM B)

网站: <http://www.lenze.de>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------|-----------------|----|
| PLC 类型 | Lenze | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 7 | 7,8 | |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 1 | 0-255 | |

PLC 设定:

| | |
|------|--------------|
| 通讯模式 | 与 MT500 设定相同 |
|------|--------------|

设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|--------|------------|---------------------------------------------|
| B | CNB | DDDDdd | 0 ~ 999915 | 不支持 Subcode 地址 仅读写 CNI Word Type 地址类型 |

| | | | | |
|---|-----|----------|--------------|-------------------------------------------|
| B | CB | DDDDddxx | 0 ~ 81920015 | 支持 Subcode 地址 仅读写 CI Word Type 地址类型 |
| W | CI | DDDDdd | 0 ~ 819200 | 支持 Subcode 地址 Integer |
| W | CD | DDDDdd | 0 ~ 819200 | 支持 Subcode 地址 DWord |
| W | CF | DDDDdd | 0 ~ 819200 | 支持 Subcode 地址 DWord (float point) |
| W | CNI | DDDD | 0 ~ 9999 | 不支持 Subcode 地址 Integer |
| W | CND | DDDD | 0 ~ 9999 | 不支持 Subcode 地址 DWord |
| W | CNF | DDDD | 0 ~ 9999 | 不支持 Subcode 地址 DWord (float point) |

Bit 地址



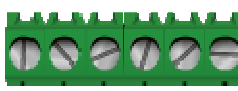
1. CB:读写有 Subcode 地址,只能读写地址类型为 CI Word 类型。
2. CNB:读写没有 Subcode 地址,只能读写地址类型为 CNI Word 类型。

Word 地址:



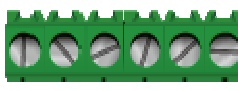
1. CI: 读写有 Subcode 地址,地址类型为 Word 类型。
2. CD: 读写有 Subcode 地址,地址类型为 Double Word 类型。
3. CF: 读写有 Subcode 地址,地址类型为 Float 类型。
4. CNI: 读写没有 Subcode 地址,地址类型为 Word 类型。
5. CND: 读写没有 Subcode 地址,地址类型为 Double Word 类型。
6. CNF: 读写没有 Subcode 地址,地址类型为 Float 类型。

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | Lenze 2102IB LECOM-B RS485 plug-in terminal 4-pole |
| 1 RX- | 6 Data- | | 72 T/R (A) |
| 2 RX+ | 9 Data+ | | 71 T/R (B) |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | Lenze 2102IB LECOM-B RS485 plug-in terminal 4-pole |
| 1 RX- | 7 Data- | | 72 T/R (A) |
| 2 RX+ | 8 Data+ | | 71 T/R (B) |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Apr/17/2009 | |

LIYAN EX series

支持系列：LIYAN PLC Ex/Ex1s/Ex1n/Ex2n series

网站: <http://www.liyanplc.com/>

HMI 設定:





| 參數設定 | 推薦 | 選項 | 注釋 |
|--------|---------------------|-----------------|---------------|
| PLC 類型 | Mitsubishi FX0n/FX2 | | |
| PLC 界面 | RS232 | RS232 | |
| 傳輸速率 | 9600 | 9600~115200 | |
| 校驗 | Even | Even, Odd, None | |
| 數據位元 | 7 | 7,8 | |
| 停止位元 | 1 | 1,2 | |
| PLC 站號 | 0 | 0-255 | 必須符合 PLC 埠的設定 |

設備類型:



| 字元/位元 | 設備類型 | 格式 | 範圍 | 注釋 |
|-------|------|-----|-----------|-------------|
| B | X | ooo | 0-377 | 輸入继电器 |
| B | Y | ooo | 0-377 | 輸出继电器 |
| B | M | ddd | 0-9999 | 内部位儲存器 |
| B | T | ddd | 0-255 | 計時器位儲存器 |
| B | C | ddd | 0-255 | 計數器位儲存器 |
| W | TV | ddd | 0-255 | 計時器暫存器 |
| W | CV | ddd | 0~199 | 計數器暫存器 |
| W | D | ddd | 0-9999 | 資料暫存器 |
| W | CV2 | ddd | 200-255 | 計數器暫存器(雙字元) |
| W | SD | ddd | 8000-9999 | 特殊数据暫存器 |

接線圖:
9P D-Sub to 8P Mini-DIN: Ex, Ex1s, Ex1n, Ex2n series

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P Mini-DIN Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 7 RXD |
| 5 GND | 5 GND | 5 GND | 6 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 2 TXD |
| 6 TX | | | 7 RXD |
| 5 GND | | | 6 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Aug/12/2009 | |

LS GLOFA Cnet

支持系列: LS GLOFA GM6/GM7 CPU Port. G7L-CUEB / G6L-CUEB / G4L-CUEA / G3L-CUEA Cnet module

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------|-------------------|----|
| PLC 类型 | LS GLOFA Cnet | | |
| PLC 界面 | RS232 | RS232/RS485 2W/4W | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 0~31 | |

PLC 设定:

| | |
|------|-------------------------------|
| 通讯模式 | 9600,N,8,1 (default), Cnet 协议 |
| 通讯模块 | 适用模式: 1 专用通信线路 |





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|-------|-----------|-------|
| B | MX | DDDDD | 0 ~ 32767 | 内部继电器 |
| B | IX | ddDdd | 0 ~ 63763 | 输入 |
| B | QX | ddDdd | 0 ~ 63763 | 输出 |
| W | MW | DDDDD | 0 ~ 32767 | 数据缓存器 |
| DW | MD | DDDDD | 0 ~ 16383 | 双字符 |



接线图:

9P D-Sub to 9P D-Sub:

MT6000/8000 series except MT6050i/MT8050i





| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 7 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 7 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

9P D-Sub to 9P D-Sub: Communication Module (G7L-CUEB / G6L-CUEB / G4L-CUEA / G3L-CUEA Cnet RS232)

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 1 CD |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | 4 DTR |
| | | | 6 DSR |
| | | | circuit |
| | | | circuit |
|  |  |  |  |


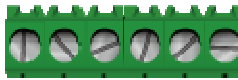
MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
| | | | 1 CD |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | 4 DTR |
| | | | 6 DSR |
| | | | circuit |
| | | | circuit |
|  | | |  |


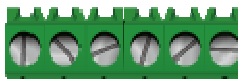
Communication Module (G7L-CUEC / G6L-CUEC / G4L-CUEA / G3L-CUEA Cnet RS422)

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|----------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.80 | Jun/08/2010 | |

LS GLOFA FEnet (Ethernet)

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------|------|----|
| PLC 类型 | LS GLOFA FEnet (Ethernet) | | |
| PLC 界面 | 以太网 | | |
| 连接埠 | 2004 | | |
| PLC 站号 | 0 | 0~31 | |


设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|--------|------------|-------|
| B | MX | DDDDDD | 0 ~ 131056 | 内部继电器 |
| B | IX | ddDdd | 0 ~ 63763 | 输入 |
| B | QX | ddDdd | 0 ~ 63763 | 输出 |
| W | MW | DDDD | 0 ~ 8191 | 数据缓存器 |
| DW | MD | DDDD | 0 ~ 4095 | 双字符 |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Apr/02/2009 | 发布驱动程序. |

LS GLOFA GM3467 (LOADER)

支持系列: LS GLOFA series GM3, GM4, GM6, GM7 CPU Port.

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------|----|----|
| PLC 类型 | LS GLOFA GM3467 (LOADER) | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 38400 | | |
| 数据位 | 8 | | |
| 校验 | None | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|--------|------------|-------------------------------|
| B | MX | DDDDDD | 0 ~ 524272 | |
| B | IX | ddDdd | 0 ~ 63763 | 00.0.0 ~ 63.7.63 (dd.D.dd) |
| B | QX | ddDdd | 0 ~ 63763 | 00.0.0 ~ 63.7.63 (dd.D.dd) |
| W | IW | HHH | 0 ~ 273 | |
| W | QW | HHH | 0 ~ 273 | |



| | | | | |
|---|----|-------|-----------|--|
| W | MW | DDDDD | 0 ~ 32767 | |
| W | MD | DDDDD | 0 ~ 16383 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | LS GLOFA series RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | LS GLOFA series RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Mar/08/2010 | |

LS MASTER-K Cnet

支持系列: LS MASTER-K series: K80S, K200S, K300S, and K1000S

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|--------------------|---------------|
| PLC 类型 | LS MASTER-K Cnet | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 38400 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 0-31 | 必须符合 PLC 埠的设定 |

| | | |
|------|-----|--|
| 在线仿真 | YES | |
|------|-----|--|





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|--------------|
| B | P | DDDh | 0 ~ 255f | 输入/输出继电器 (P) |
| B | K | DDDh | 0 ~ 255f | 维持继电器 (K) |



| | | | | |
|---|--------|-------|-----------|---------------|
| B | M | DDDh | 0 ~ 255f | 辅助继电器 (M) |
| B | L | DDDh | 0 ~ 255f | 连接继电器 (L) |
| B | F | DDDh | 0 ~ 255f | 特殊继电器 (F) |
| B | D_bit | DDDDh | 0 ~ 9999f | D_位 |
| W | TV | DDD | 0 ~ 255 | 定时器目前数值 |
| W | CV | DDD | 0 ~ 255 | 计数器目前数值 |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 (D) |
| W | M_word | DDD | 0 ~ 255 | Word 类型 for M |
| W | L_word | DDD | 0 ~ 255 | Word 类型 for L |
| W | F_word | DDD | 0 ~ 255 | Word 类型 for F |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | CPU Port Cnet I/F RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 7 TX |
| 3 TX | 4 TX | 7 TX | 4 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | CPU Port Cnet I/F RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 7 TX |
| 6 TX | | | 4 RX |
| 5 GND | | | 5 GND |
|  | | |  |

与连接 Cnet 模块, 请参考 Cnet 模块文件。

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|------------------------|
| V1.00 | Apr/19/2010 | 发布驱动程序 |
| V1.10 | May/11/2011 | 增加 D 位、M 位、F 位、L 位缓存器。 |

LS MASTER-K CPU Direct

支持系列: LS MASTER-K series: K80S, K120S, K200S, K300S, K1000S, K7M.

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------------|--------------------|---------------|
| PLC 类型 | LG MASTER-K CPU Direct | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 38400 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 0-31 | 必须符合 PLC 埠的设定 |

| | | |
|------|-----|--|
| 在线仿真 | YES | |
|------|-----|--|





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|--------------|
| B | P | DDDh | 0 ~ 255f | 输入/输出继电器 (P) |



| | | | | |
|---|--------|-------|-----------|---------------|
| B | K | DDDh | 0 ~ 255f | 维持继电器 (K) |
| B | M | DDDh | 0 ~ 255f | 辅助继电器 (M) |
| B | L | DDDh | 0 ~ 255f | 连结继电器 (L) |
| B | F | DDDh | 0 ~ 255f | 特殊继电器 (F) |
| B | D_bit | DDDDh | 0 ~ 9999f | D_bit |
| W | TV | DDD | 0 ~ 255 | 定时器目前数值 |
| W | CV | DDD | 0 ~ 255 | 计数器目前数值 |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 (D) |
| W | M_word | DDD | 0 ~ 255 | Word 类型 for M |
| W | L_word | DDD | 0 ~ 255 | Word 类型 for L |
| W | F_word | DDD | 0 ~ 255 | Word 类型 for F |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------------------------|
| V1.20 | May/11/2011 | 新增 D_bit, M_word, F_word, L_word 缓存器. |

LS MASTER-K MODBUS RTU

支持系列: LS MASTER-K MODBUS RTU

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------------|------|---------------|
| PLC 类型 | LS MASTER-K MODBUS RTU | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 校验 | Even | Even | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 1 | | 必须符合 PLC 埠的设定 |





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|-------|-----------|--------------|
| B | P | DDDDh | 0 ~ 9999f | 输入/输出继电器 (P) |
| B | M | DDDDh | 0 ~ 9999f | 辅助继电器 (M) |
| B | L | DDDDh | 0 ~ 9999f | 连结继电器 (L) |

| | | | | |
|---|----------|-------|-----------|-----------|
| B | K | DDDDh | 0 ~ 9999f | 维持继电器 (K) |
| B | F | DDDDh | 0 ~ 9999f | 特殊继电器 (F) |
| B | D_bit | DDDDh | 0 ~ 9999f | |
| W | T | DDDD | 0 ~ 9999 | 定时器 (T) |
| W | C | DDDD | 0 ~ 9999 | 计数器 (C) |
| W | S | DDDD | 0 ~ 9999 | |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 (D) |
| W | T_double | DDDD | 0 ~ 9999 | |
| W | C_double | DDDD | 0 ~ 9999 | |
| W | S_double | DDDD | 0 ~ 9999 | |
| W | D_double | DDDD | 0 ~ 9999 | |
| W | F_word | DDDD | 0 ~ 9999 | |
| W | L_word | DDDD | 0 ~ 9999 | |
| W | M_word | DDDD | 0 ~ 9999 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
|-------------------------------|--|--|---------------------|
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 5 GND |



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------------------------------------|
| V1.10 | May/11/2011 | 新增 D_bit, M_word, F_word, L_word 缓存器 |

LS MASTER-K10S1

支持系列: LS MASTER-K10S1

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|-------------|---------------|
| PLC 类型 | LS MASTER-K10S1 | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 9600 | | |
| 校验 | None | None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | | 必须符合 PLC 埠的设定 |





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|--------------|
| B | P | DDDh | 0 ~ 255f | 输入/输出继电器 (P) |
| B | K | DDDh | 0 ~ 255f | 维持继电器 (K) |
| B | M | DDDh | 0 ~ 255f | 辅助继电器 (M) |



| | | | | |
|---|----|------|----------|-----------|
| B | L | DDDh | 0 ~ 255f | 连结继电器 (L) |
| B | F | DDDh | 0 ~ 255f | 特殊继电器 (F) |
| B | T | DDD | 0 ~ 255 | 定时器 (T) |
| B | C | DDD | 0 ~ 255 | 计数器 (C) |
| W | TV | DDD | 0 ~ 255 | 定时器目前数值 |
| W | CV | DDD | 0 ~ 255 | 计数器目前数值 |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 (D) |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Sep/08/2009 | 发布驱动程序 |

LS XGB Cnet

支持系列 : LS XGB/XGT Series

网站: <http://www.lgis.com/>

HMI 設定:

| 參數設定 | 推薦 | 選項 | 注釋 |
|--------|-------------|-----------------|---------------|
| PLC 類型 | LS XGB Cnet | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 傳輸速率 | 115200 | 9600~115200 | |
| 校驗 | None | Even, Odd, None | |
| 數據位元 | 8 | 7, 8 | |
| 停止位元 | 1 | 1 | |
| PLC 站号 | 1 | 0-31 | 必须符合 PLC 埠的设定 |





设备类型:

| 字元/位元 | 設備類型 | 格式 | 範圍 | 注釋 |
|-------|-------|--------|------------|-----------------------------------|
| B | P_Bit | DDDDh | 0 ~ 2047f | 输入输出装置位 |
| B | M_Bit | DDDDh | 0 ~ 2047f | 内部装置位 |
| B | L_Bit | DDDDDh | 0 ~ 11263f | 通讯装置位 |
| B | K_Bit | DDDDh | 0 ~ 2559f | 保存装置位 |
| B | F_Bit | DDDDh | 0 ~ 2047f | 特殊装置位(write available from 1025) |



| | | | | |
|---|-------|--------|----------------|-----------------------------------|
| B | S_Bit | DDDDD | 0 ~ 12799 | 步进控制位继电器 |
| B | D_Bit | DDDDHh | 0 ~ 32767f | 数据缓存器_Bit expression (D0000.0) |
| B | U_Bit | DH.DDh | 0.000 ~ 7f.31f | XGK-CPUE : hh(0~1f) |
| B | T_Bit | DDDD | 0 ~ 2047 | 定时器装置位 |
| B | C_Bit | DDDD | 0 ~ 2047 | 计数器装置位 |
| W | P | DDDD | 0 ~ 2047 | 输入输出装置_2,048 points |
| W | M | DDDD | 0 ~ 2047 | 内部装置_4,096 points |
| W | L | DDDDD | 0 ~ 11263 | 通讯装置_20,480 points |
| W | K | DDDD | 0 ~ 2559 | 保存装置_4,096 points |
| W | F | DDDD | 0 ~ 2047 | 特殊装置_4,096 point |
| W | S | DDDDD | 0 ~ 12799 | 步进控制继电器 |
| W | D | DDDDD | 0 ~ 32767 | 数据缓存器_5120 words |
| W | U | DH.DD | 0.00 ~ 7f.31 | 仿真数据缓存器_256 words |
| W | N | DDDDD | 0 ~ 21503 | 通讯数据缓存器_3,936 words |
| W | Z | DDD | 0 ~ 127 | 索引缓存器_128 words |
| W | T | DDDD | 0 ~ 2047 | 定时器目前数值缓存器_256 words |
| W | C | DDDD | 0 ~ 2047 | 计数器目前数值缓存器_256 words |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male |
| 2 RX | 6 RX | 8 RX | 6 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 3 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
| 9 RX | | | 6 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 3 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------------------------|
| V1.50 | Mar/10/2011 | 新增 P_Bit, M_Bit, L_Bit, K_Bit ...等缓存器 |

LS XGB FEnet (Ethernet)

支持系列: LS XGB/XGT with XBL-EMTA

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------|-------|----|
| PLC 类型 | LS XGB FEnet (Ethernet) | | |
| PLC 界面 | 以太网 | | |
| PLC 站号 | 0 | 0~255 | |
| 连接埠 | 2004 | | |

PLC 设定:

| | |
|------|----------|
| 通讯模式 | FEnet 协议 |
|------|----------|

设备类型:

| 字元/位元 | 設備類型 | 格式 | 範圍 | 注释 |
|-------|-------|--------|------------|---------|
| B | P_Bit | DDDDh | 0 ~ 2047f | 输入输出装置位 |
| B | M_Bit | DDDDh | 0 ~ 2047f | 内部装置位 |
| B | L_Bit | DDDDDh | 0 ~ 11263f | 通讯装置位 |


| | | | | |
|---|-------|--------|----------------|-----------------------------------|
| B | K_Bit | DDDDh | 0 ~ 2559f | 保存装置位 |
| B | F_Bit | DDDDh | 0 ~ 2047f | 特殊装置位(write available from 1025) |
| B | S_Bit | DDDh | 0 ~ 127f | 步进控制位继电器 |
| B | D_Bit | DDDDh | 0 ~ 32767f | 数据缓存器_Bit expression (D0000.0) |
| B | U_Bit | DH.DDh | 0.000 ~ 7f.31f | XGK-CPUE : hh(0~1f) |
| B | T_Bit | DDDD | 0 ~ 2047 | 定时器装置位 |
| B | C_Bit | DDDD | 0 ~ 2047 | 计数器装置位 |
| W | P | DDDD | 0 ~ 2047 | 输入输出装置_2,048 points |
| W | M | DDDD | 0 ~ 2047 | 内部装置_4,096 points |
| W | L | DDDDD | 0 ~ 11263 | 通讯装置_20,480 points |
| W | K | DDDD | 0 ~ 2559 | 保存装置_4,096 points |
| W | F | DDDD | 0 ~ 2047 | 特殊装置_4,096 point |
| W | S | DDDDD | 0 ~ 12799 | 步进控制继电器 |
| W | D | DDDDD | 0 ~ 32767 | 数据缓存器_5120 words |
| W | U | DH.DD | 0.00 ~ 7f.31 | 仿真数据缓存器_256 words |
| W | N | DDDDD | 0 ~ 21503 | 通讯数据缓存器_3,936 words |
| W | Z | DDD | 0 ~ 127 | 索引缓存器_128 words |
| W | T | DDDD | 0 ~ 2047 | 定时器目前数值缓存器_256 words |

| | | | | |
|---|---|------|----------|----------------------|
| W | C | DDDD | 0 ~ 2047 | 计数器目前数值缓存器_256 words |
|---|---|------|----------|----------------------|

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----------------------------------------|
| V1.40 | Mar/10/2011 | 新增 P_Bit, M_Bit, L_Bit, K_Bit ... 等缓存器 |

LS XGK Cnet

支持系列: LS XGT series communication module XGL-CH2A

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------|----------------------|----|
| PLC 类型 | LS XGK Cnet | | |
| PLC 界面 | RS232 | RS232/RS485 2W/4W | |
| 传输速率 | 115200 | 9600~115200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 1 | |

设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|-------|--------|------------|---------|
| B | P_Bit | DDDDh | 0 ~ 2047f | 输入输出装置位 |
| B | M_Bit | DDDDh | 0 ~ 2047f | 内部装置位 |
| B | L_Bit | DDDDDh | 0 ~ 11263f | 通讯装置位 |





| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|-------|--------|----------------|-----------------------------------|
| B | K_Bit | DDDDh | 0 ~ 2559f | 保存装置位 |
| B | F_Bit | DDDDh | 0 ~ 2047f | 特殊装置位(write available from 1025) |
| B | S_Bit | DDDDD | 0 ~ 12799 | 步进控制位继电器 |
| B | D_Bit | DDDDh | 0 ~ 32767f | 数据缓存器_Bit expression (D0000.0) |
| B | U_Bit | DH.DDh | 0.000 ~ 3f.31f | XGK-CPUE : hh(0~1f) |
| B | T_Bit | DDDD | 0 ~ 2047 | 定时器装置位 |
| B | C_Bit | DDDD | 0 ~ 2047 | 计数器装置位 |
| W | P | DDDD | 0 ~ 2047 | 输入输出装置 |
| W | M | DDDD | 0 ~ 2047 | 内部装置 |
| W | L | DDDDD | 0 ~ 11263 | 通讯装置 |
| W | K | DDDD | 0 ~ 2559 | 保存装置 |
| W | F | DDDD | 0 ~ 2047 | 特殊装置(write available from 1025) |
| W | S | DDDDD | 0 ~ 12799 | 步进控制继电器 |
| W | D | DDDDD | 0 ~ 32767 | 数据缓存器 |
| W | U | DH.DD | 0.00 ~ 3f.31 | 仿真数据缓存器 XGK-CPUE : hh(0~1f) |
| W | N | DDDDD | 0 ~ 21503 | 通讯数据缓存器 |
| W | Z | DDD | 0 ~ 127 | 索引缓存器_128 words |

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|-------|-----------|------------|
| W | T | DDDD | 0 ~ 2047 | 定时器目前数值缓存器 |
| W | C | DDDD | 0 ~ 2047 | 计数器目前数值缓存器 |
| W | R | DDDDD | 0 ~ 32767 | |
| W | ZR | DDDDD | 0 ~ 32767 | |



接线图:

9P D-Sub to 9P D-Sub:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | XGL-CH2A CH1 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |


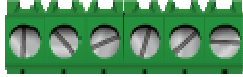
MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | XGL-CH2A CH1 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |



9P D-Sub to Terminals:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | XGL-CH2A CH2 5P Terminal |
|--------------------------------|--|--|-----------------------------|
| 1 RX- | | | TXD- |
| 2 RX+ | | | TXD+ |
| 3 TX- | | | RXD- |
| 4 TX+ | | | RXD+ |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 5 GND | | | GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | XGL-CH2A CH2 5P Terminal |
| 1 RX- | | | TXD- |
| 2 RX+ | | | TXD+ |
| 3 TX- | | | RXD- |
| 4 TX+ | | | RXD+ |
| 5 GND | | | GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------------------------|
| V1.30 | Mar/10/2011 | 新增 P_Bit, M_Bit, L_Bit, K_Bit ...等缓存器 |

LS XGK FEnet (Ethernet)

支持系列: LS XGT series XGL-EFMT Ethernet module.

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------|----|----|
| PLC 类型 | LS XGK FEnet (Ethernet) | | |
| PLC 界面 | 以太网 | | |
| 连接埠 | 2004 | | |
| PLC 站号 | 0 | | |

设备类型:


| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|-------|--------|------------|-----------------------------------|
| B | P_Bit | DDDDh | 0 ~ 2047f | 输入输出装置位 |
| B | M_Bit | DDDDh | 0 ~ 2047f | 内部装置位 |
| B | L_Bit | DDDDDh | 0 ~ 11263f | 通讯装置位 |
| B | K_Bit | DDDDh | 0 ~ 2559f | 保存装置位 |
| B | F_Bit | DDDDh | 0 ~ 2047f | 特殊装置位(write available from 1025) |
| B | S_Bit | DDDDD | 0 ~ 12799 | 步进控制位继电器 |

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|-------|--------|----------------|-------------------------------------|
| B | D_Bit | DDDDh | 0 ~ 32767f | 数据缓存器_Bit expression (D0000.0) |
| B | U_Bit | DH.DDh | 0.000 ~ 3f.31f | XGK-CPUE : hh(0~1f) |
| B | T_Bit | DDDD | 0 ~ 2047 | 定时器装置位 |
| B | C_Bit | DDDD | 0 ~ 2047 | 计数器装置位 |
| W | P | DDDD | 0 ~ 2047 | 输入输出装置 |
| W | M | DDDD | 0 ~ 2047 | 内部装置 |
| W | L | DDDDD | 0 ~ 11263 | 通讯装置 |
| W | K | DDDD | 0 ~ 2559 | 保存装置 |
| W | F | DDDD | 0 ~ 2047 | 特殊装置(write available from 1025) |
| W | S | DDDDD | 0 ~ 12799 | 步进控制继电器 |
| W | D | DDDDD | 0 ~ 32767 | 数据缓存器 |
| W | U | DH.DD | 0.00 ~ 3f.31 | 仿真数据缓存器 XGK-CPUE : hh(0~1f) |
| W | N | DDDDD | 0 ~ 21503 | 通讯数据缓存器 |
| W | Z | DDD | 0 ~ 127 | 索引缓存器_128 words |
| W | T | DDDD | 0 ~ 2047 | 定时器目前数值缓存器 |
| W | C | DDDD | 0 ~ 2047 | 计数器目前数值缓存器 |
| W | R | DDDDD | 0 ~ 32767 | |
| W | ZR | DDDDD | 0 ~ 32767 | |

接线图:


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------------------------|
| V1.30 | Mar/10/2011 | 新增 P_Bit, M_Bit, L_Bit, K_Bit ...等缓存器 |

LS XGT/XGK CPU DIRECT

支持系列: LS XGT/XGK CPU RS232 Port.

网站: <http://www.lgis.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------------|-----------------|----|
| PLC 类型 | LS XGT/XGK CPU DIRECT | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 115200 | 9600~115200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | | |

设备类型:





| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|-------|--------|------------|---------|
| B | P_Bit | DDDDh | 0 ~ 2047f | 输入输出装置位 |
| B | M_Bit | DDDDh | 0 ~ 2047f | 内部装置位 |
| B | L_Bit | DDDDDh | 0 ~ 11263f | 通讯装置位 |

| | | | | |
|---|-------|--------|----------------|-----------------------------------|
| B | K_Bit | DDDDh | 0 ~ 2559f | 保存装置位 |
| B | F_Bit | DDDDh | 0 ~ 2047f | 特殊装置位(write available from 1025) |
| B | S_Bit | DDDDD | 0 ~ 12799 | 步进控制位继电器 |
| B | D_Bit | DDDDh | 0 ~ 32767f | 数据缓存器_Bit expression (D0000.0) |
| B | U_Bit | DH.DDh | 0.000 ~ 3f.31f | XGK-CPUE : hh(0~1f) |
| B | T_Bit | DDDD | 0 ~ 2047 | 定时器装置位 |
| B | C_Bit | DDDD | 0 ~ 2047 | 计数器装置位 |
| W | P | DDDD | 0 ~ 2047 | 输入输出装置 |
| W | M | DDDD | 0 ~ 2047 | 内部装置 |
| W | L | DDDDD | 0 ~ 11263 | 通讯装置 |
| W | K | DDDD | 0 ~ 2559 | 保存装置 |
| W | F | DDDD | 0 ~ 2047 | 特殊装置(write available from 1025) |
| W | S | DDDDD | 0 ~ 12799 | 步进控制继电器 |
| W | D | DDDDD | 0 ~ 32767 | 数据缓存器 |
| W | U | DH.DD | 0.00 ~ 3f.31 | 仿真数据缓存器 XGK-CPUE : hh(0~1f) |
| W | N | DDDDD | 0 ~ 21503 | 通讯数据缓存器 |
| W | Z | DDD | 0 ~ 127 | 索引缓存器_128 words |
| W | T | DDDD | 0 ~ 2047 | 定时器目前数值缓存器 |



| | | | | |
|---|----|-------|-----------|-------------|
| W | C | DDDD | 0 ~ 2047 | 计数器目前数值缓存器 |
| W | R | DDDDD | 0 ~ 32767 | |
| W | ZR | DDDDD | 0 ~ 32767 | |
| W | TS | DDDD | 0 ~ 2047 | Setup value |
| W | CS | DDDD | 0 ~ 2047 | Setup value |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------------------------|
| V1.40 | Mar/10/2011 | 新增 P_Bit, M_Bit, L_Bit, K_Bit ...等缓存器 |

Master (Master-Slave Protocol)

为了连接 HMI 和 MT500，MT500 需设定为 Slave。

欲得知有关的信息，请参阅使用者手册第 28 章。

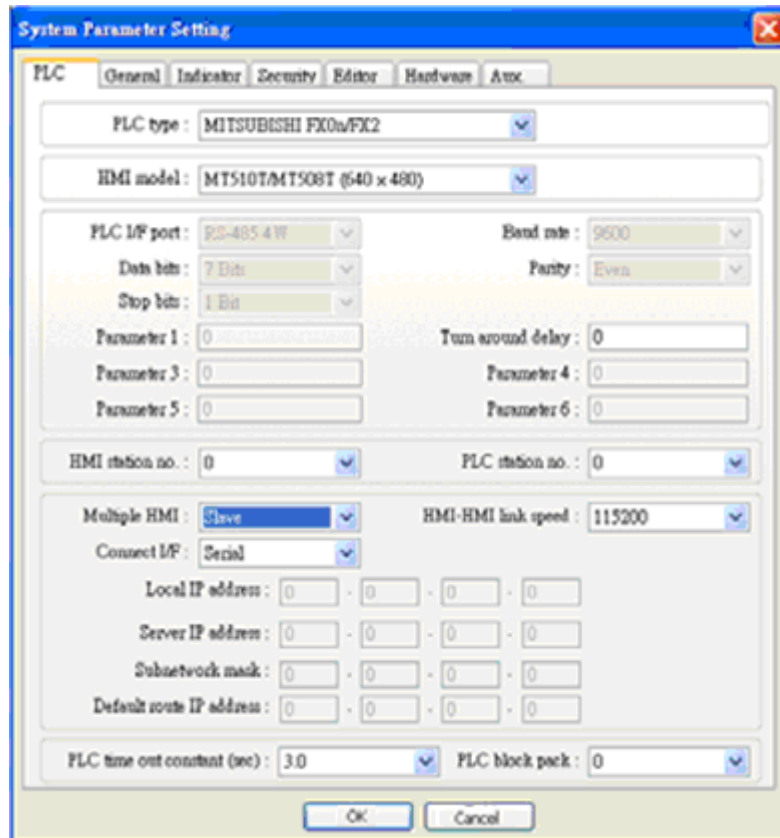
HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------|---------------------------------|----|
| PLC 类型 | Master (Master-Slave Protocol) | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 115200 | 38400, 115200 | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| HMI 站号 | 0 | | |
| PLC 站号 | 0 | | |
| 参数 1 | MT500 PLC ID | 利用 PLCAddressView.exe 找出 PLC ID | |



PLC 设定:

| | |
|------|-------------------------------|
| 通讯模式 | MT500 Multiple HMI set Slave. |
|------|-------------------------------|



The screenshot shows the 'PLC Address View' window for a Mitsubishi FX0n/FX2 PLC. The table below lists the available address ranges for various data types.

| PLC/Address Type ID | Bit/Word | Address Type | Addressing Format | Max | Min |
|---------------------|-------------|--------------|-------------------|-------|------|
| MITSUBISHI FX0n/FX2 | PLC ID=10 | | | | |
| 0 | Bit(HMI) | LB | ddd | 9999 | 0 |
| 1 | Bit(PLC) | X | ooo | 377 | 0 |
| 2 | Bit(PLC) | V | ooo | 377 | 0 |
| 3 | Bit(PLC) | M | ddd | 9999 | 0 |
| 4 | Bit(PLC) | T | ddd | 255 | 0 |
| 5 | Bit(PLC) | C | ddd | 255 | 0 |
| 8 | Word(HMI) | LW | ddd | 9999 | 0 |
| 9 | Word(PLC) | TV | ddd | 255 | 0 |
| 10 | Word(PLC) | CV | ddd | 199 | 0 |
| 11 | Word(PLC) | D | ddd | 9999 | 0 |
| 12 | D/Word(PLC) | CV2 | ddd | 255 | 200 |
| 13 | Word(PLC) | SD | ddd | 9999 | 0000 |
| 121 | Word(HMI) | RwH | ddd | 32767 | 0 |
| 120 | Bit(HMI) | RH | dddH | 2047 | 0 |
| 140 | Bit(HMI) | RB | dddH | 2047 | 0 |
| 141 | Word(HMI) | Rw | ddd | 65535 | 0 |
| 160 | Bit(HMI) | M_LB | dddH | 4095 | 0 |
| 161 | Bit(HMI) | M_LB | ddd | 9999 | 0 |
| 100 | Word(HMI) | Mx_LW | ddd | 65535 | 0 |

设备类型:

| 字符/位 | MT500 | MT8000 | 范围 | 注释 |
|------|-------|--------|-------------------------|----|
| B | Ms_RB | RW_Bit | ddd: 0~4095 (h): 0~f | |
| B | Ms_LB | LB | dddd:0~9999 | |
| W | Ms_RW | RW | ddd:0~65535 | |
| W | Ms_LW | LW | ddd:0~9999 | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Dec/30/2008 | 发布驱动程序 |

Memobus (Yaskawa MP Series Controllers)

支持系列: YASKAWA MP2200, MP2300, MP2300S, MP9xx communication module.

网站: <http://www.yaskawa.com/>

HMI 设定:

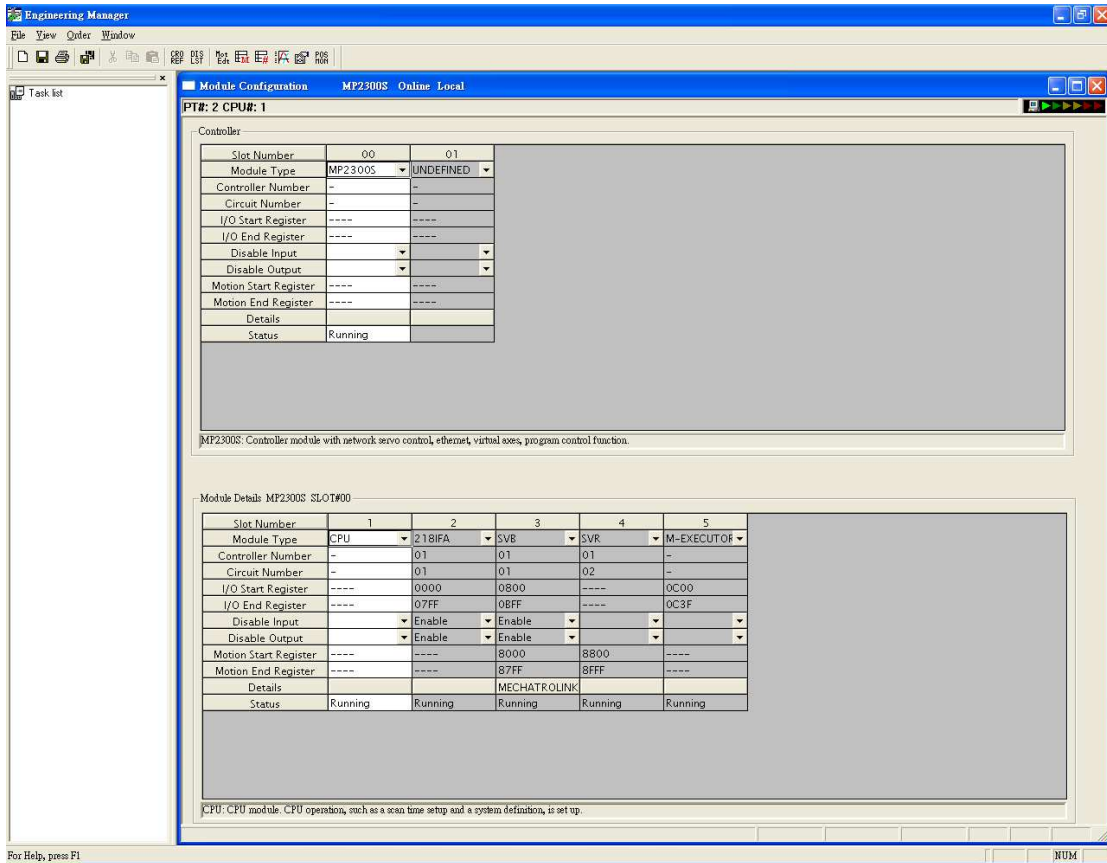
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------------------------------|-----------------------------|---------------|
| PLC 类型 | Memobus (Yaskawa MP Series Controllers) | | |
| PLC 界面 | RS485/以太网网络 | RS232/RS485 2w/4w, 以太网网络 | |
| 传输速率 | 19200 | 9600~57600 | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | 1-31 | 必须符合 PLC 埠的设定 |
| 连接埠 | 502 | default | 以太网网络 模块 only |

PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | MEMOBUS, Slave, RTU |
|------|---------------------|

PLC 以太网网络 设定:

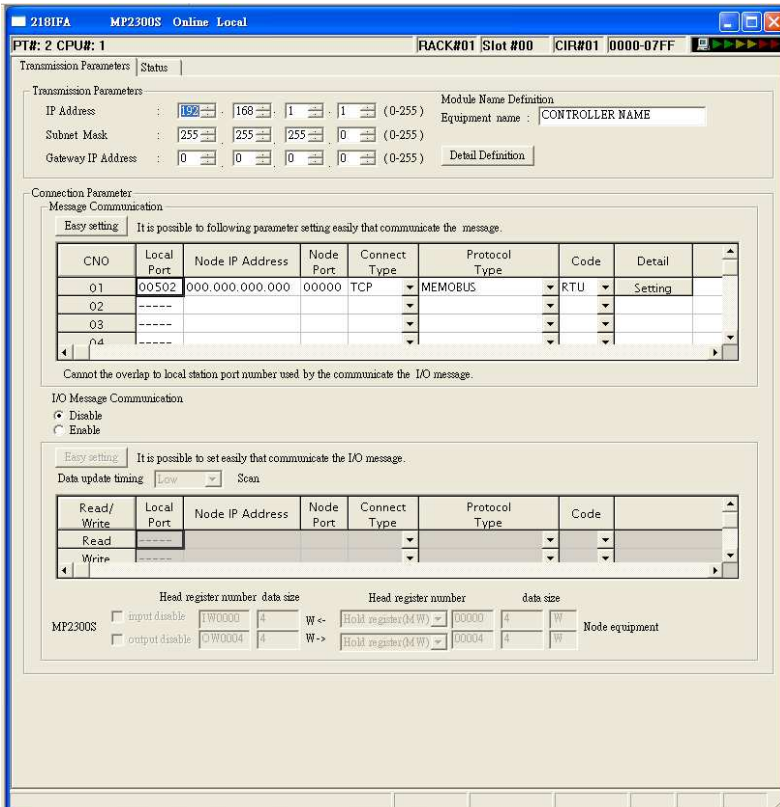
1. 利用 MPE720 软件程序，开启模块型态，双击 " 2181FA "。



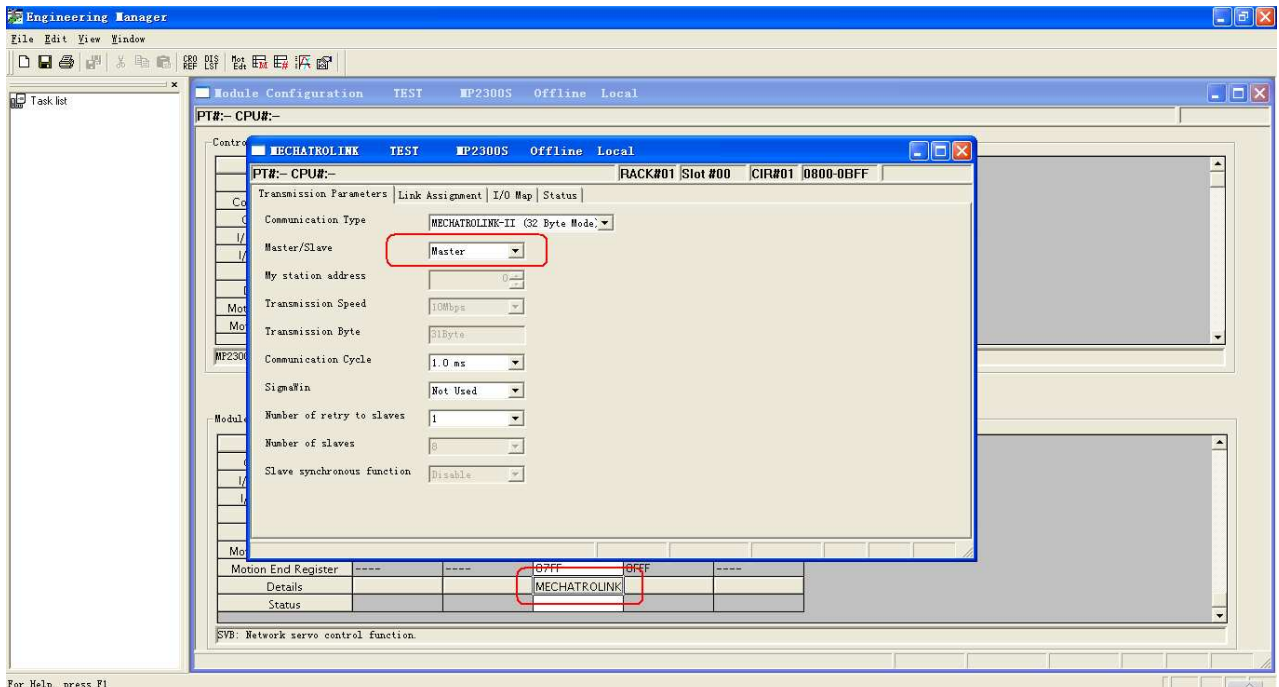
2. 在传输参数输入 MP2300S 的 IP 地址, 子网络掩码, Gateway IP.

在连接参数 CNO -1 输入 : Local Port=502, Node IP address=000.000.000.000, Node

Port=00000, Connect 类型=TCP, 协议类型= MEMOBUS, Code=RTU.



3. 点击 MECHATROLINK 将 MP2300S PLC 设定为 Master.



4. 关闭所有的对话框并储存至 MP2300S。

注意:

1. 只有 CNO 01 能够自动与一台 HMI 通讯，其它的 CNO 则需要有阶梯软件 (ladder program) 帮助通讯。
2. 在正常通讯状态下，MP2300S 的 DIP SW2-2 必须调至 OFF 位置，如果是在 ON 的位置，则 IP 地址在重新启动电源后就会被清除，也无法再与 HMI 进行通讯。





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|--------|--------|--------|-----------------|----------------|
| B | MB_1 | DDDDh | 0 ~ 9999f | MB 0~9999 |
| B | MB_2 | DDDDh | 100000 ~ 65534f | MB 10000~65535 |
| B | IB | HHHHH | 0 ~ a7ff0 | 只读 |
| B | IW_Bit | HHHHdd | 0~ a7ff15 | |
| W | IW | HHHH | 0 ~ a7ff | 只读 |
| DW | IL | HHHH | 0 ~ a7ff | 只读 |
| DW (F) | IF | HHHH | 0 ~ a7ff | 只读 |
| W | MW | DDDDD | 0 ~ 65534 | 保持缓存器 |
| DW | ML | DDDDD | 0 ~ 65533 | 双字符 |
| DW (F) | MF | DDDDD | 0 ~ 65533 | 浮点 |



*: When connect via 以太网网络 interface the max 范围 of IW, IL and IF would be restricted.

接线图:**9P D-Sub to 9P D-Sub: 217IF-01, 218IF-01**


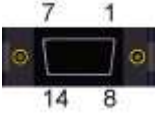
MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TX |
| 3 TX | 4 TX | 7 TX | 3 RX |
| 5 GND | 5 GND | 5 GND | 7 GND |
|  |  |  |  |



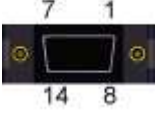
MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 2 TX |
| 6 TX | | | 3 RX |
| 5 GND | | | 7 GND |
|  | | |  |

217IF-01 RS485 2W:
MT6000/8000 series except MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | 217IF-01 RS485 14P Connector |
| 1 RX- | 6 Data- | | 2, 4 D- |
| 2 RX+ | 9 Data+ | | 1, 3 D+ |
| 5 GND | 5 GND | | 14 GND |
|  |  | |  |

MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | 217IF-01 RS485 14P Connector |
| 1 RX- | 7 Data- | | 2, 4 D- |
| 2 RX+ | 8 Data+ | | 1, 3 D+ |
| 5 GND | 5 GND | | 14 GND |
|  |  | |  |

217IF-01 RS4854W:

MT6000/8000 series except MT6050i/MT8050i


| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | 217IF-01 RS422 14P Connector |
| 1 RX- | | | 2 TX- |
| 2 RX+ | | | 1 TX+ |
| 3 TX- | | | 4 RX- |
| 4 TX+ | | | 3 RX+ |
| 5 GND | | | 14 GND |
|  | | |  |

MT6050i/MT8050i


| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | 217IF-01 RS422 14P Connector |
| 1 RX- | | | 2 TX- |
| 2 RX+ | | | 1 TX+ |
| 3 TX- | | | 4 RX- |
| 4 TX+ | | | 3 RX+ |
| 5 GND | | | 14 GND |
|  | | |  |

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|--------------------------------------------------------------------------------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.70 | Dec/20/2010 | |

Memory Map

Memory Map 协议类似于 IBM 3764R 的通讯协议。 EasyBuilder Pro 保存 512 字符的数据用来使用此协议。 EasyBuilder Pro 必须更新这些字符，接着再用这些字符去显示数据并且控制部分在屏幕上的状态。当点击动作被确认后，数据会一次全部送出到其它字符，并在此内存内进行更新。 HMI 则总是扮演着更新数据内存的角色 (Data memory)。

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------|------------------------|-----------|
| PLC 类型 | Memory Map | | |
| PLC 界面 | RS232 | RS232, RS485 4W, 2W | RS232 初始值 |
| 传输速率 | 115200 | 9600~115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |





设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|-------|-----------|----|
| B | MB | DDDDh | 0 ~ 9999f | |
| W | MW | DDDD | 0 ~ 9999 | |



MB 和 MW 皆使用相同的区域来储存数据。

MW 0 = MB 000000 ~ MB 0000f, MW 1 = MB 000100 ~ MB 0001f




接线图:
MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | HMI COM1 RS232 9P D-Sub Female |
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

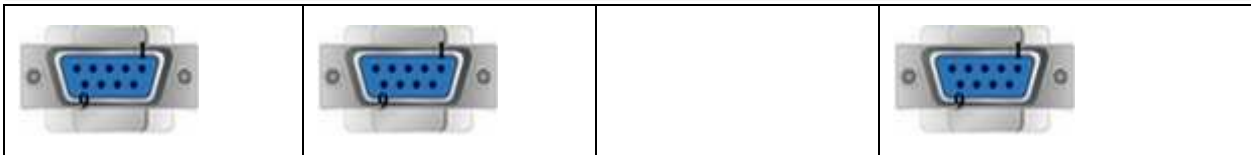
| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | HMI COM1 RS232 9P D-Sub Female |
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 5 GND |
|  | | |  |



MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | HMI COM1 RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | 1 RX- |
| 2 RX+ | 9 Data+ | | 2 RX+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |



MT6050i/MT8050i

| | | | |
|----------------------------------|----------------------------------|--|--------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | HMI COM1 RS485 2W 9P D-Sub Female |
| 1 RX- | 7 Data- | | 1 RX- |
| 2 RX+ | 8 Data+ | | 2 RX+ |
| 5 GND | 5 GND | | 5 GND |


MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | HMI COM1 RS485 4W 9P D-Sub Male |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 1 RX- | | | 3 TX- |
| 2 RX+ | | | 4 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 5 GND |
|  | | |  |

MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Female | | | HMI COM1 RS485 4W 9P D-Sub Female |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 1 RX- | | | 3 TX- |
| 2 RX+ | | | 4 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 5 GND |
|  | | |  |

注意:

欲知道更多有关 Memory map 的信息，请参考使用者手册[第 31 章 Memory Map]。

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Mar/19/2009 | 发布驱动程序 |

MITSUBISHI A1S

支持系列: MITSUBISHI A1S

网站: <http://www.mitsubishi-automation.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|----|----|
| PLC 类型 | MITSUBISHI A1S | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:

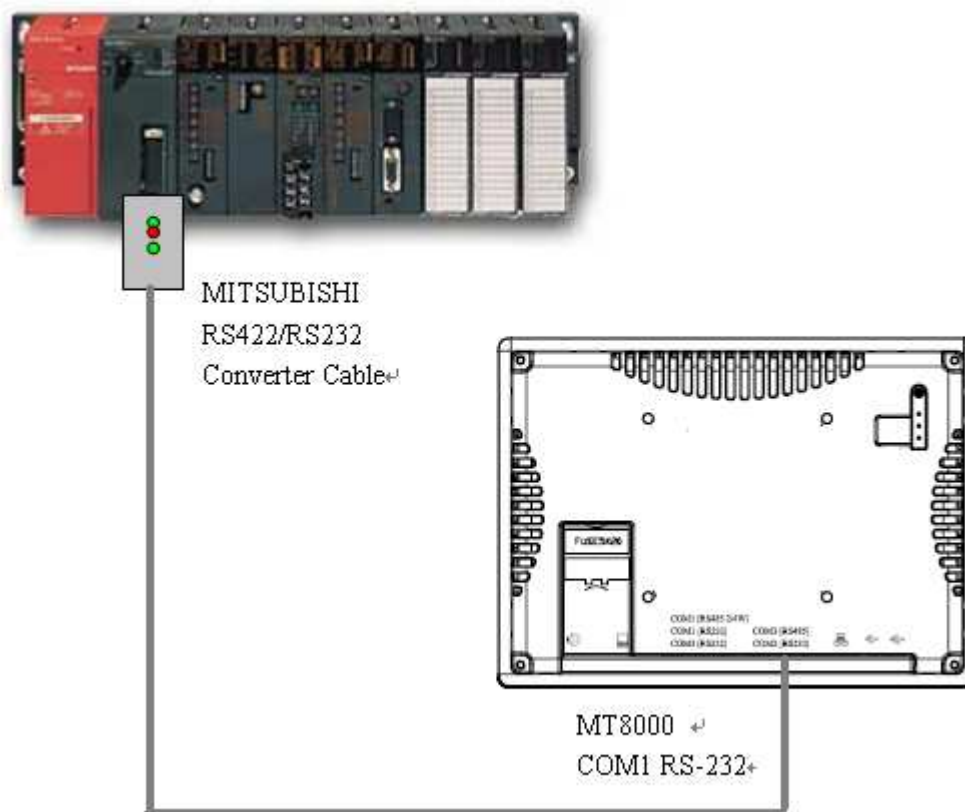
| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|-------|-----------|-------|
| B | X | HHHH | 0 ~ ffff | 输入继电器 |
| B | Y | HHHH | 0 ~ ffff | 输出继电器 |
| B | M | DDDDD | 0 ~ 65535 | 辅助继电器 |
| B | B | HHHH | 0 ~ ffff | |

| | | | | |
|---|----|-------|-----------|-------|
| B | F | DDDDD | 0 ~ 65535 | |
| W | TV | DDDDD | 0 ~ 65535 | 定时器内存 |
| W | CV | DDDDD | 0 ~ 65535 | 计数器内存 |
| W | D | DDDDD | 0 ~ 65535 | 数据缓存器 |
| W | W | HHHH | 0 ~ ffff | |
| W | R | DDDDD | 0 ~ 65535 | |

接线图:

使用 RS422 与 RS232 PLC 编程线(programming cable) (如下图)

MITSUBISHI AnS CPU



MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | PLC Programming Converter | | Mitsubishi RS422 25P D-Sub Male |
|-------------------------------|---------------------------|------|------------------------------------|
| 2 RX | TX | TX+ | 2 RX+ |
| 3 TX | RX | RX+ | 3 TX+ |
| 5 GND | GND | DTR+ | 4 DSR+ |
| 7 RTS | CTS | GND | 7 GND |
| 8 CTS | RTS | TX- | 15 RX- |
| | | RX- | 16 TX- |
| | | DTR- | 17 DSR- |
| | | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Sep/18/2009 | 发布驱动程序 |

MITSUBISHI A2A

支持系列: MITSUBISHI A2A, A2USH

网站: <http://www.mitsubishi-automation.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|----|----|
| PLC 类型 | MITSUBISHI A2A | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:

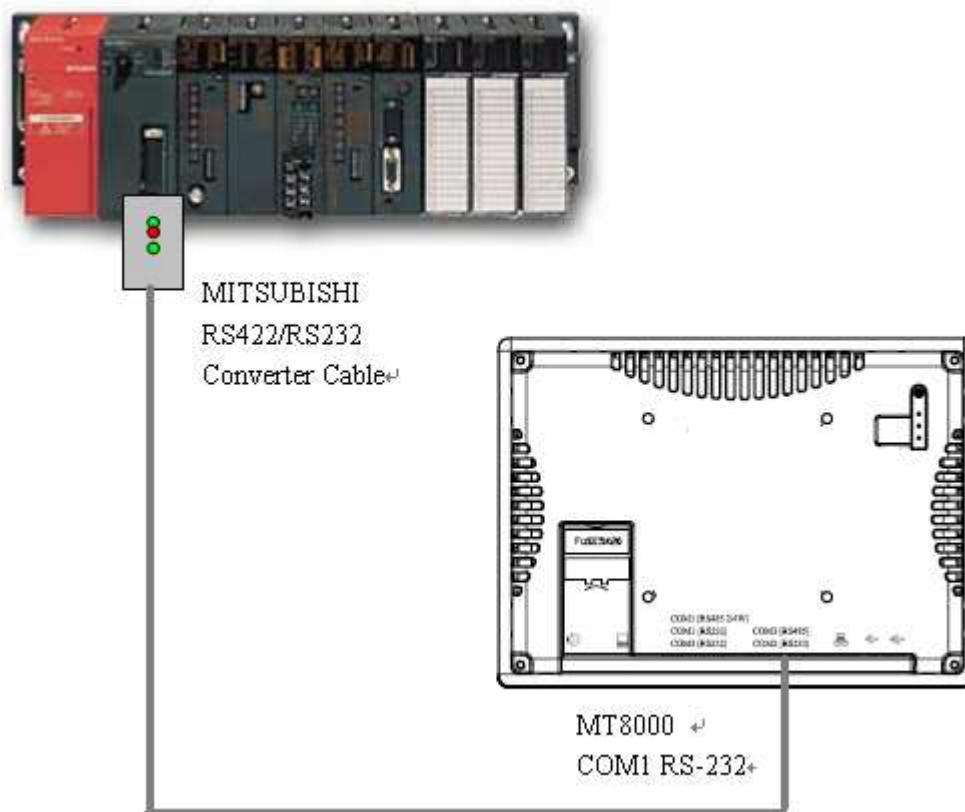
| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|-------|
| B | X | HHHH | 0 ~ 270f | 输入继电器 |
| B | Y | HHHH | 0 ~ 270f | 输出继电器 |
| B | M | DDDD | 0 ~ 9999 | 辅助继电器 |
| B | B | HHHH | 0 ~ ffff | |

| | | | | |
|---|----|-------|-----------|-------|
| B | F | DDDDD | 0 ~ 65535 | |
| W | TV | DDD | 0 ~ 255 | 定时器内存 |
| W | CV | DDD | 0 ~ 255 | 计数器内存 |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 |
| W | W | HHHH | 0 ~ ffff | |
| W | R | DDDDD | 0 ~ 65535 | |

接线图:

使用 RS422 与 RS232 PLC 编程线(programming cable) (如下图)

MITSUBISHI AnS CPU



MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | PLC Programming Converter | | Mitsubishi RS422 25P D-Sub Male |
|-------------------------------|---------------------------|------|------------------------------------|
| 2 RX | TX | TX+ | 2 RX+ |
| 3 TX | RX | RX+ | 3 TX+ |
| 5 GND | GND | DTR+ | 4 DSR+ |
| 7 RTS | CTS | GND | 7 GND |
| 8 CTS | RTS | TX- | 15 RX- |
| | | RX- | 16 TX- |
| | | DTR- | 17 DSR- |
| | | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Aug/12/2009 | 发布驱动程序 |

MITSUBISHI A2US

支持系列: MITSUBISHI A2US

网站: <http://www.mitsubishi-automation.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|----|----|
| PLC 类型 | MITSUBISHI A2US | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:

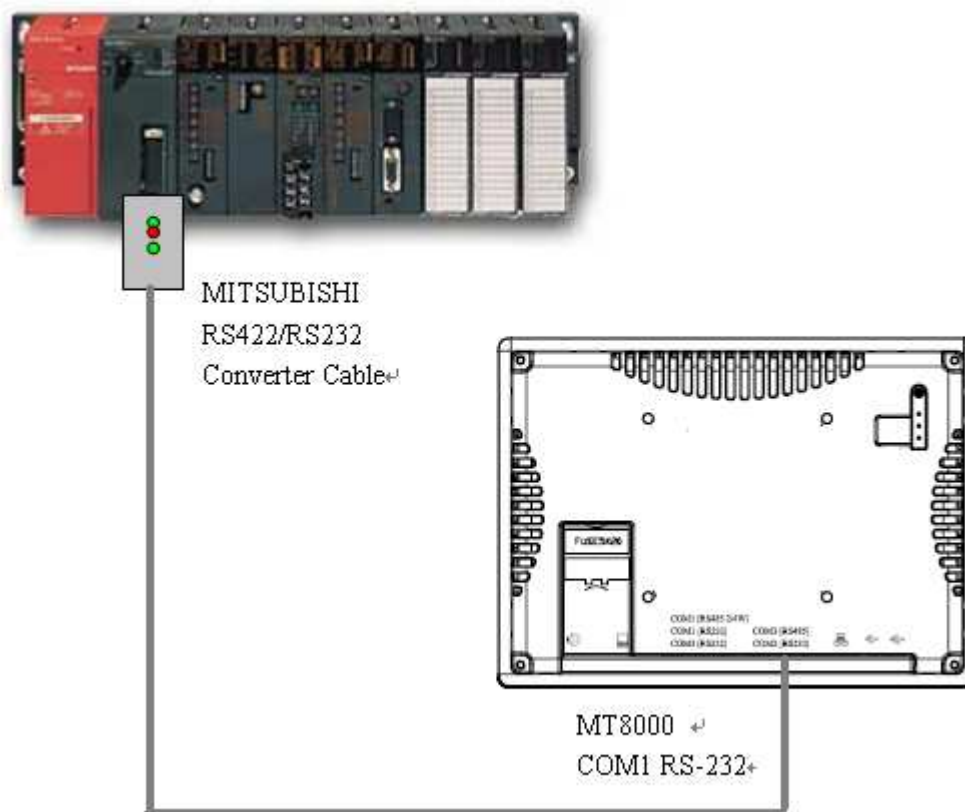
| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|-------|
| B | X | HHHH | 0 ~ 270f | 输入继电器 |
| B | Y | HHHH | 0 ~ 270f | 输出继电器 |
| B | M | DDDD | 0 ~ 9999 | 辅助继电器 |

| | | | | |
|---|----|------|----------|-------|
| W | TV | DDD | 0 ~ 255 | 定时器内存 |
| W | CV | DDD | 0 ~ 255 | 计数器内存 |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 |

接线图:

使用 RS422 与 RS232 PLC 编程线(programming cable) (如下图)

MITSUBISHI AnS CPU



MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | PLC Programming Converter | | Mitsubishi RS422 25P D-Sub Male |
|-------------------------------|---------------------------|------|------------------------------------|
| 2 RX | TX | TX+ | 2 RX+ |
| 3 TX | RX | RX+ | 3 TX+ |
| 5 GND | GND | DTR+ | 4 DSR+ |
| 7 RTS | CTS | GND | 7 GND |
| 8 CTS | RTS | TX- | 15 RX- |
| | | RX- | 16 TX- |
| | | DTR- | 17 DSR- |
| | | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Mar/20/2009 | 发布驱动程序 |

MITSUBISHI A3N/A1SH

支持系列: MITSUBISHI A3N/A3A/A1SH/A2SH

网站: <http://www.mitsubishi-automation.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------|----|----|
| PLC 类型 | MITSUBISHI A3N/A1SH | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

注意: 此驱动器不适用于联机模拟。

设备类型:

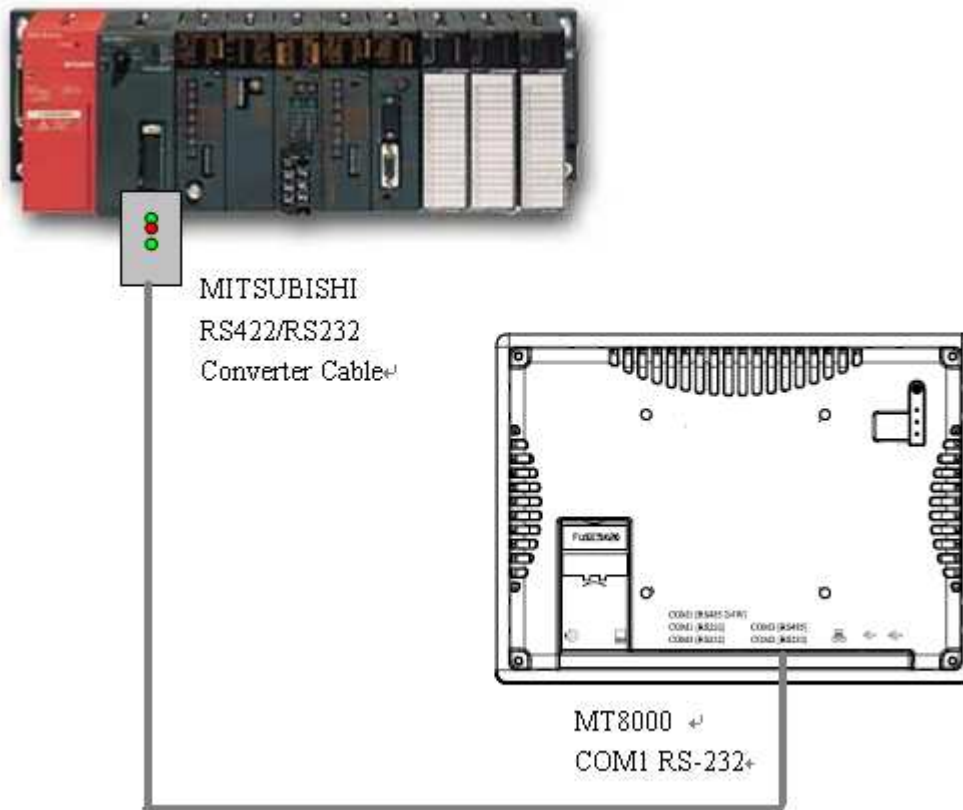
| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|-------|
| B | X | HHHH | 0 ~ ffff | 输入继电器 |
| B | Y | HHHH | 0 ~ ffff | 输出继电器 |

| | | | | |
|---|----|-------|-----------|-------|
| B | M | DDDDD | 0 ~ 65535 | 辅助继电器 |
| B | B | HHHH | 0 ~ ffff | |
| B | F | DDDDD | 0 ~ 65535 | |
| W | TV | DDDDD | 0 ~ 65535 | 定时器内存 |
| W | CV | DDDDD | 0 ~ 65535 | 计数器内存 |
| W | D | DDDDD | 0 ~ 65535 | 数据缓存器 |
| W | W | HHHH | 0 ~ ffff | |
| W | R | DDDDD | 0 ~ 65535 | |

接线图:

使用 RS422 与 RS232 PLC 编程线(programming cable) (如下图)

MITSUBISHI AnS CPU



MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | PLC Programming Converter | | Mitsubishi RS422 25P D-Sub Male |
|-------------------------------|---------------------------|------|------------------------------------|
| 2 RX | TX | TX+ | 2 RX+ |
| 3 TX | RX | RX+ | 3 TX+ |
| 5 GND | GND | DTR+ | 4 DSR+ |
| 7 RTS | CTS | GND | 7 GND |
| 8 CTS | RTS | TX- | 15 RX- |
| | | RX- | 16 TX- |
| | | DTR- | 17 DSR- |
| | | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Oct/20/2009 | 发布驱动程序 |

MITSUBISHI AJ71

支持系列: Mitsubishi A series PLC with AJ71C24 communication module using the Computer Link protocol.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|----------------------------------------------------------|----|
| PLC 类型 | MITSUBISHI AJ71 | MITSUBISHI AJ71 (AnA/AnU CPU), MITSUBISHI AJ71 (格式 4) | |
| PLC 界面 | RS485 4W | RS485 4W, RS232 | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | | |

PLC 设定:

| | |
|--------|--------------------------------|
| 通讯模式 | 计算机连接协议 9600, Even, 8, 1 (默认值) |
| 模式设定转换 | 格式 1 |
| 奇偶校验 | 不可 |

| | |
|------|----|
| 和数校验 | 不可 |
|------|----|

设备类型:


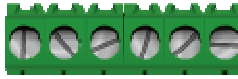
| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|-------|-----------|------------------|
| B | X | HHHH | 0 ~ ffff | 输入位 |
| B | Y | HHHH | 0 ~ ffff | 输出位 |
| B | M | DDDDD | 0 ~ 65535 | 内部继电器 |
| B | T | DDDDD | 0 ~ 65535 | |
| B | C | DDDDD | 0 ~ 65535 | |
| B | B | HHHH | 0 ~ ffff | |
| B | F | DDDDD | 0 ~ 65535 | |
| W | TV | DDDDD | 0 ~ 65535 | 定时器 Preset Value |
| W | CV | DDDDD | 0 ~ 65535 | 计数器 Preset Value |
| W | D | DDDDD | 0 ~ 65535 | 数据缓存器 |
| W | W | HHHH | 0 ~ ffff | |
| W | R | DDDDD | 0 ~ 65535 | |

接线图:


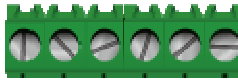
AJ71C24 RS422

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|---------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | AJ71C24 RS422 Terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | GND |





| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | AJ71C24 RS422 Terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | GND |
|  | | |  |



A1SJ71UC24-R2

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 1 DCD |
| | | | 4 DTR |
| | | | 6 DSR |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | circuit |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|---------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |

| | | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|---------|
| | | | 1 DCD | circuit |
| | | | 4 DTR | |
| | | | 6 DSR | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  | | |  | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.50 | Mar/11/2010 | |

MITSUBISHI FX0n/FX2

支持系列: Mitsubishi FX0s/FX0n/FX1s/FX2 PLC

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------|-----------------------------------|-------------------------|
| PLC 类型 | Mitsubishi FX0n/FX2 | | |
| PLC 界面 | RS485 4W | RS232/RS485 | |
| 传输速率 | 9600 | 9600/19200/38400/ 57600/115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 0 | 0-255 | must same as the PLC 设定 |



设备类型:

| 字符/位 | 设备类型 | 格式 | 范围 | 注释 |
|------|------|------|----------|-------|
| B | X | OOO | 0 ~ 377 | 输入继电器 |
| B | Y | OOO | 0 ~ 377 | 输出继电器 |
| B | M | DDDD | 0 ~ 9999 | 辅助继电器 |



| | | | | |
|----|-------|--------|-------------|---------------|
| B | T | DDD | 0 ~ 255 | 定时器继电器 |
| B | C | DDD | 0 ~ 255 | 计数器继电器 |
| B | SM | DDDD | 8000 ~ 9999 | 特殊辅助继电器 |
| B | D_Bit | DDDDdd | 0 ~ 999915 | 数据缓存器位(D) |
| B | S | DDDD | 0 ~ 4095 | States |
| W | TV | DDD | 0 ~ 255 | 定时器内存 |
| W | CV | DDD | 0 ~ 199 | 计数器内存 |
| W | D | DDDD | 0 ~ 9999 | 数据缓存器 |
| DW | CV2 | DDD | 200 ~ 255 | 计数器内存(D Word) |
| W | SD | DDDD | 8000 ~ 9999 | 特殊数据缓存器 |

接线图:
9P D-Sub to 8P MiniDIN:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 Port 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |



MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 Port 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |



9P D-Sub to 25P D-Sub:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|--------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 Port 8P Mini-DIN Male |
| 1 RX- | | | 16 TXD- |
| 2 RX+ | | | 3 TXD+ |
| 3 TX- | | | 15 RXD- |
| 4 TX+ | | | 2 RXD+ |
| 5 GND | | | 7 GND |
| | | | 4 DSR+ |
| | | | 8 GND |
| | | | 13 +5V |
| | | | circuit |
| | | | circuit |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| | | | 17 DSR- |
|  | | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 Port 8P Mini-DIN Male |
| 1 RX- | | | 16 TXD- |
| 2 RX+ | | | 3 TXD+ |
| 3 TX- | | | 15 RXD- |
| 4 TX+ | | | 2 RXD+ |
| 5 GND | | | 7 GND |
| | | | 4 DSR+ |
| | | | 8 GND |
| | | | 13 +5V |
| | | | 17 DSR- |
| | | | circuit |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|--------------|----------------------------|
| V1.10 | Sep/ 01/2009 | 新增地址型态 [S], [SM], [D_bit]. |

MITSUBISHI FX232/485BD

支持系列: Mitsubishi FX0n/FX2/FX2n COM BD 通讯模块

FX2N-485-BD, FX2N-232-BD, FX1N-485-BD & FX1N-232-BD.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------------|----------------------|----|
| PLC 类型 | MITSUBISHI FX232/485BD | | |
| PLC 界面 | RS232/RS485 | RS232/RS485 2w/4w | |
| 传输速率 | 19200 | 9600/19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 1 | 0-15 | |

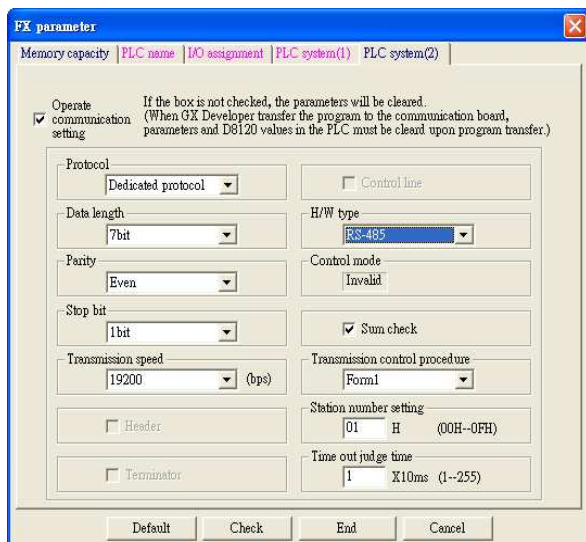
Note: 建议通讯延时设 8. (i 系列 HMI)

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 扩展模式 | YES |
|------|-----|------|-----|

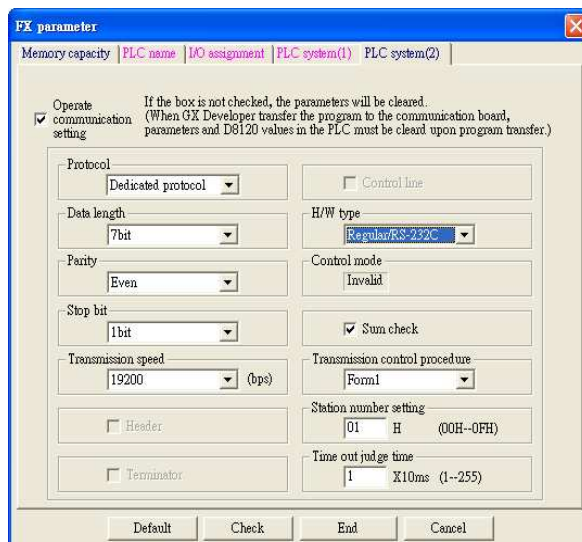
PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | 当使用 BD 模块需设定 PLC 站号 |
|------|---------------------|

缓存器 D8120 设定: set b9 and b8 of BFM#0 as 0



FX2N-485-BD, FX1N-485-BD



FX2N-232-BD, FX1N-232-BD





设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|-------------|-------------------------|
| B | X | OOO | 0 ~ 377 | Input Relay |
| B | Y | OOO | 0 ~ 377 | Output Relay |
| B | M | DDDD | 0 ~ 7999 | Auxiliary Relay |
| B | T | DDD | 0 ~ 511 | Timer Relay |
| B | C | DDD | 0 ~ 255 | Counter Relay |
| B | SM | DDDD | 8000 ~ 9999 | Special Auxiliary Relay |
| B | D_Bit | DDDDh | 0 ~ 7999f | Data Register Bit |
| B | S | DDDD | 0 ~ 4095 | State Relay |
| W | TV | DDD | 0 ~ 255 | Timer Memory |
| W | CV | DDD | 0 ~ 199 | Counter Memory |
| W | D | DDDD | 0 ~ 7999 | Data Register |
| W | CV2 | DDD | 200 ~ 255 | Counter Memory(D Word) |
| W | SD | DDDD | 8000 ~ 9999 | Special Data Register |



接线图:

9P D-Sub to 9P D-Sub: Communication Module RS232BD

MT6000/8000 series except MT6050i/MT8050i


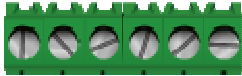
| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |


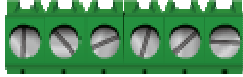
Communication Module RS485BD: RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | 485BD Module 5P Terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | SG |
|  | | |  |




MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|-----------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | 485BD Module 5P Terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 5 GND | | | SG |
|  | | |  |

Communication Module RS485BD: RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | 485BD Module 5P Terminal |
| 1 RX- | 6 Data- | | SDB |
| | | | RDB |
| | | | circuit |
| 2 RX+ | 9 Data+ | | SDA |
| | | | RDA |
| | | | circuit |
| 5 GND | 5 GND | | SG |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | 485BD Module 5P Terminal |
| 1 RX- | 7 Data- | | SDB |
| | | | RDB |
| | | | circuit |
| 2 RX+ | 8 Data+ | | SDA |
| | | | RDA |
| | | | circuit |
| 5 GND | 5 GND | | SG |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|-------------------|
| V1.30 | May/13/2011 | 新增 D_Bit & S 缓存器. |

mitsubishi FX2n

支持系列: Mitsubishi FX1n/FX2n 系列 PLC

网站 <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|-----------------------------------|----|
| PLC 类型 | mitsubishi FX2n | | |
| PLC 界面 | RS485 4W | RS232/RS485 | |
| 传输速率 | 19200 | 9600/19200/38400 /57600/115200 | |
| 校验 | Even | | |
| 数据位 | 7 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 扩展模式 | NO |
|------|-----|------|----|

设备类型:


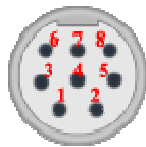
| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|-------|------|----------|-----------------|
| B | X | OOO | 0 ~ 377 | Input Relay |
| B | Y | OOO | 0 ~ 377 | Output Relay |
| B | M | DDDD | 0 ~ 7999 | Auxiliary Relay |
| B | T | DDD | 0 ~ 255 | Timer Relay |

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|-------|--------|-------------|-------------------------|
| B | C | DDD | 0 ~ 255 | Counter Relay |
| B | SM | DDDD | 8000 ~ 9999 | Special Auxiliary Relay |
| B | D_Bit | DDDDdd | 0 ~ 799915 | Data Register Bit (D) |
| B | S | DDDD | 0 ~ 4095 | State Relay (S) |
| W | TV | DDD | 0 ~ 255 | Timer Memory |
| W | CV | DDD | 0 ~ 199 | Counter Memory |
| W | D | DDDD | 0 ~ 7999 | Data Register |
| DW | CV2 | DDD | 200 ~ 255 | Counter Memory(D Word) |
| W | SD | DDDD | 8000 ~ 9999 | Special Data Register |

接线图:



Mitsubishi FX series

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|---------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.60 | Sep/10/2009 | |

MITSUBISHI FX3u (Ethernet)

支持系列: MITSUBISHI FX 系列, 模块: FX3U-ENET.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------|----|--------|
| PLC 类型 | MITSUBISHI FX3u (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 0 (default) | | 参考模块设定 |
| 连接埠 | 5001(default) | | 参考模块设定 |

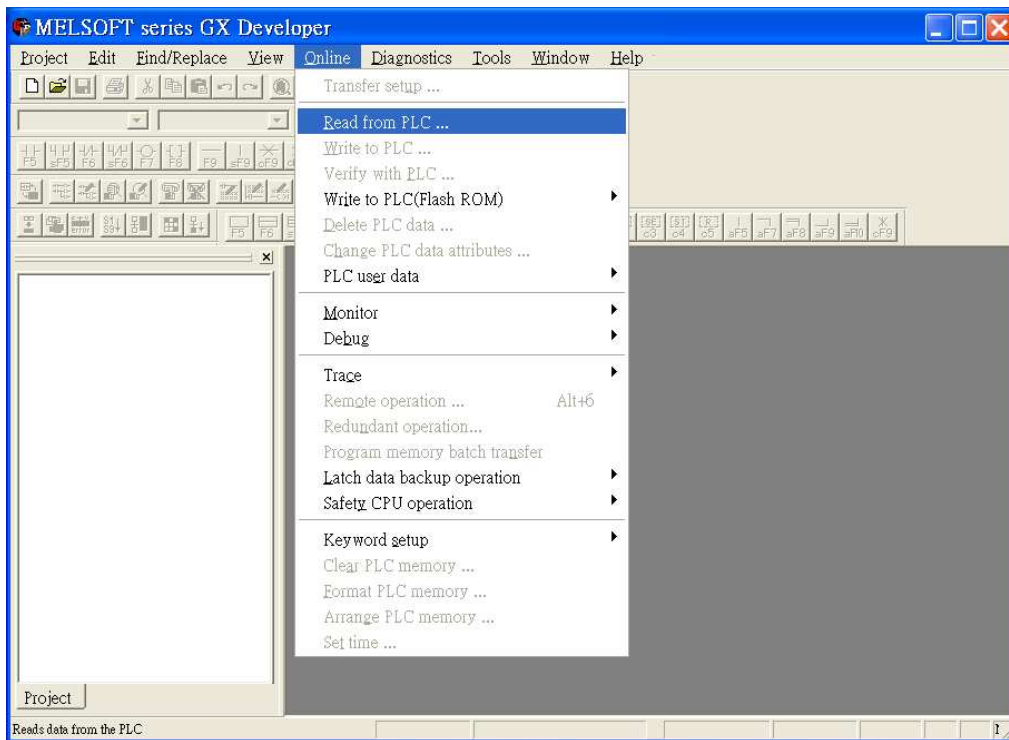
PLC 设定:

Fx3u-ENET 模块设定:

使用 Ethernet 模块之前, 请使用 GX Developer / FX Configurator-EN 设定 Ethernet 模块,

FX3u-ENET 模块设定如下步骤.

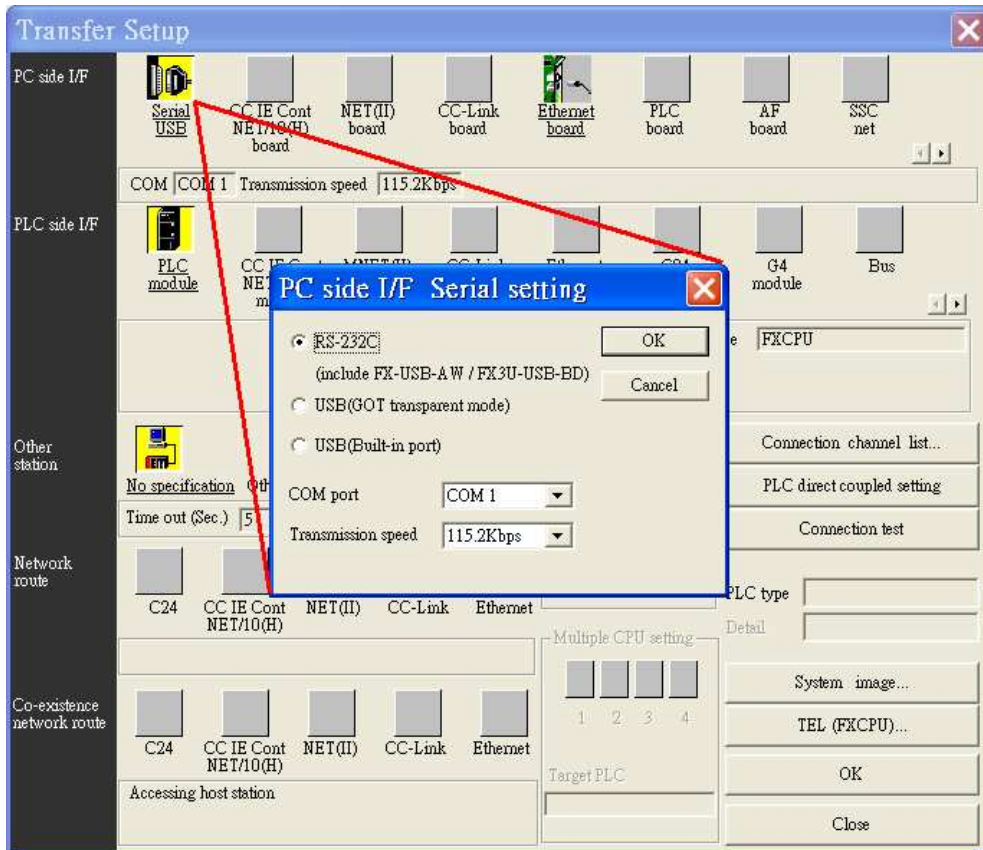
1. 开启 GX Developer, 在 Online 选单选择 “Read from PLC”.



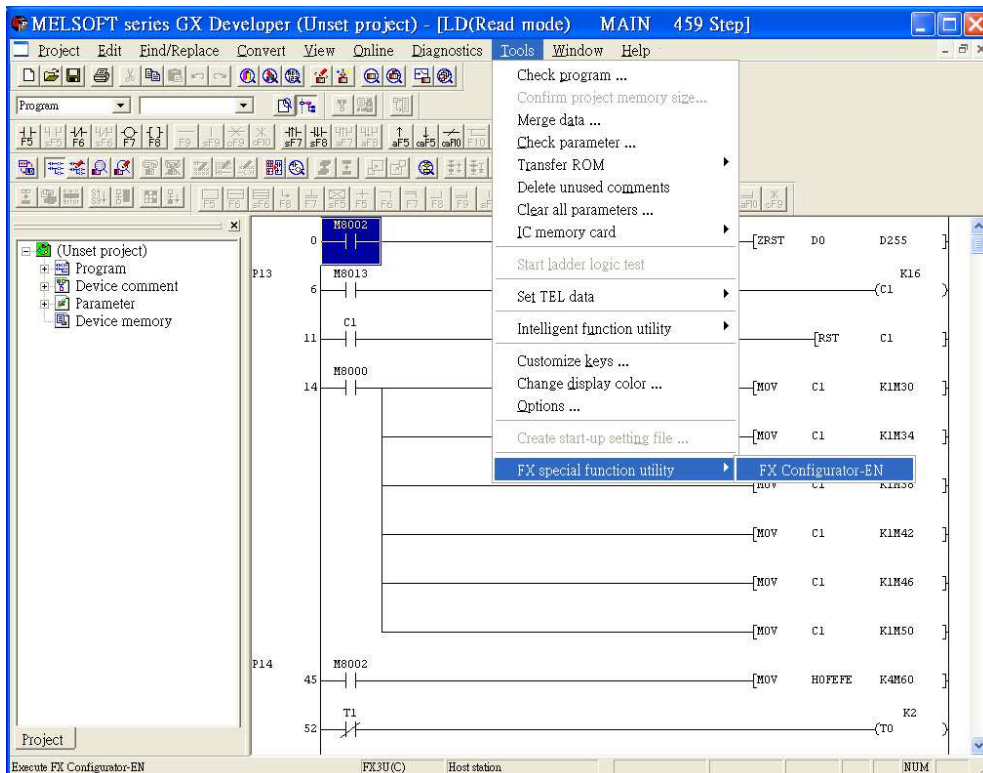
2. 选择“FXCPU”系列.



3. 使用者需先透过串行端口连接 PLC 设定 IP 地址.

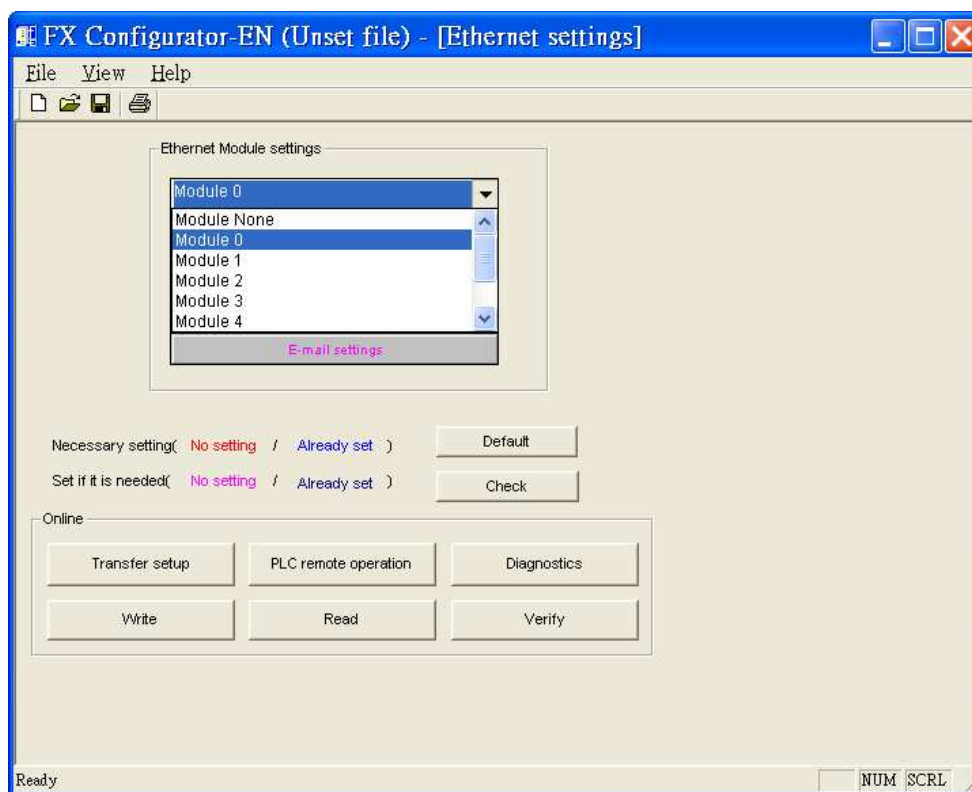


4. 结束 PLC 设定, 选择 Tools/FX special function utility/FX Configurator-EN.

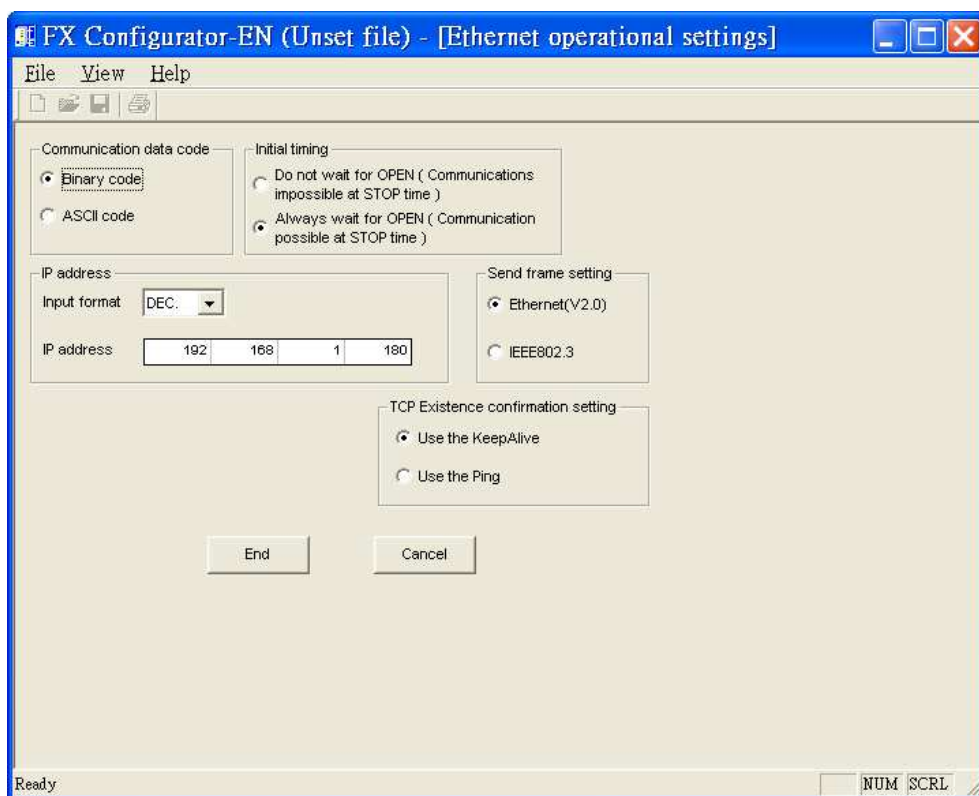


5. 在 Ethernet Module 选择 “Module 0”.

(若多余一个模块, 请逐一设定)



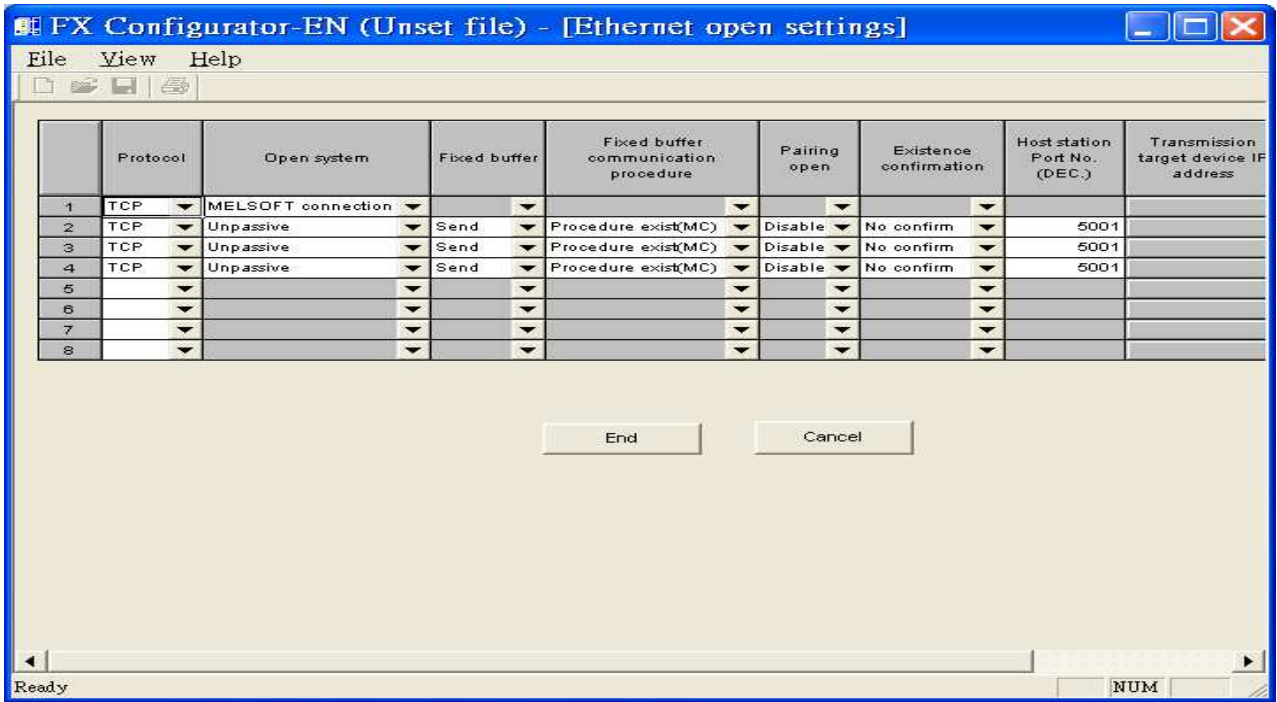
5. 在 Ethernet operational 设定, 选择相关参数设定和 IP 地址后点选 “End” 结束设定.



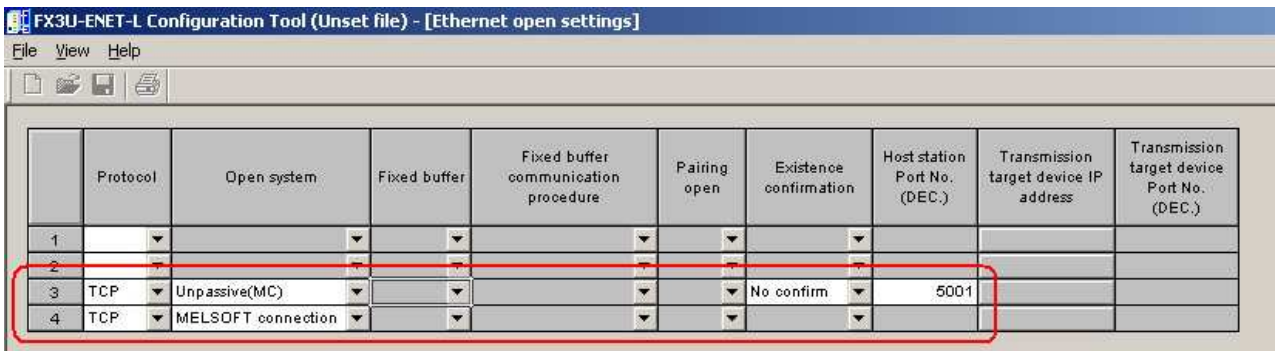
6. 在 Ethernet open 设定, 点选 “End” 之后设定下列参数设定.

| | | | | | | | | |
|---|-----|--------------------|------|---------------------|---------|------------|------|--|
| 1 | TCP | MELSOFT connection | | | | | | |
| 2 | TCP | Unpassive | Send | Procedure exist(MC) | Disable | No confirm | 5001 | |
| 3 | TCP | Unpassive | Send | Procedure exist(MC) | Disable | No confirm | 5001 | |
| 4 | TCP | Unpassive | Send | Procedure exist(MC) | Disable | No confirm | 5001 | |

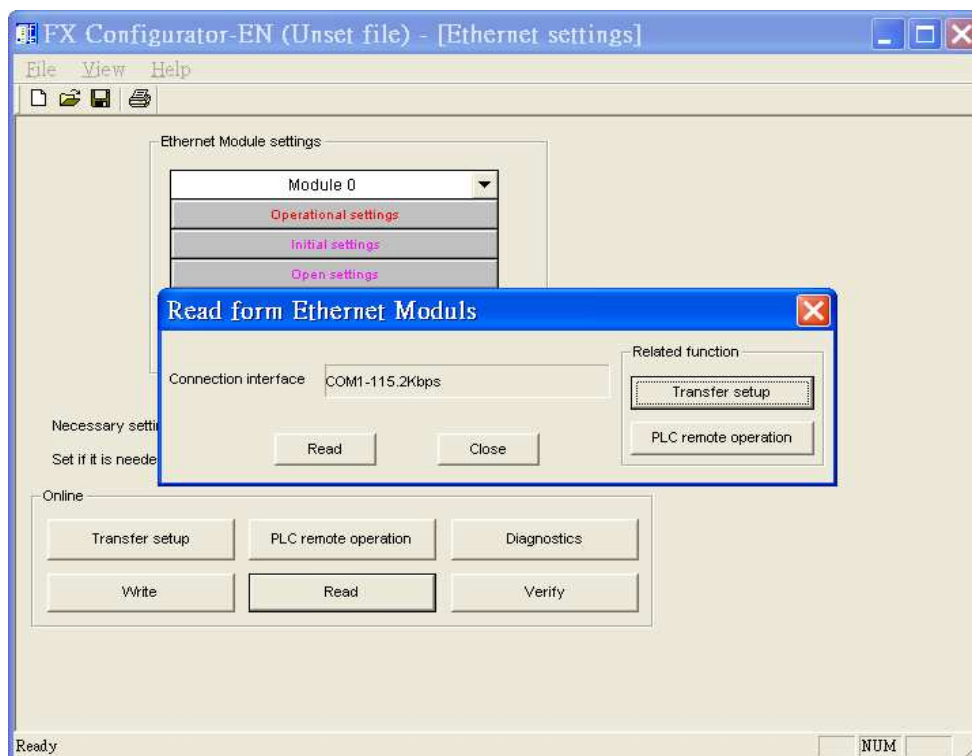
(第一个通讯协议使用 GX Developer 与模块通讯, The max. “Fixed buffer communication procedure” is 4 units.)



或



7. 在设定参数设定至 PLC 之后, 重启 Ethernet 通讯.




设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|--------|-------------|--------------------------|
| B | X | OOO | 0 ~ 571 | Input |
| B | Y | OOO | 0 ~ 571 | Output Relay |
| B | M | DDDD | 0 ~ 7999 | Internal Relay |
| B | T | DDD | 0 ~ 511 | Timer Contacts |
| B | C | DDD | 0 ~ 255 | Counter Contacts |
| B | SM | DDDD | 8000 ~ 8511 | Special Int. Relays |
| B | D_Bit | DDDDdd | 0 ~ 1799915 | Data Register Bit Access |
| B | S | DDDD | 0 ~ 4095 | Step Relays |
| W | TV | DDD | 0 ~ 511 | Timer Value |
| W | CV | DDD | 0 ~ 199 | Counter Value |
| W | D | DDDD | 0 ~ 7999 | Data Registers |
| W | CV2 | DDD | 200 ~255 | Counter Value |
| W | SD | DDDD | 8000 ~ 8511 | Special Data Registers |
| W | R | DDDDD | 0 ~ 32767 | File Register |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Feb/12/2009 | 发布驱动程序. |

MITSUBISHI FX3u/FX3G

支持系列 : Mitsubishi FX3U/FX3UC/FX3G.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------|----------------------|----------|
| PLC 类型 | MITSUBISHI FX3u/FX3G | | |
| PLC 界面 | RS485 4w | RS232/RS485 2w/4w | |
| 传输速率 | 38400 | 9600/19200 | |
| 校验 | Even | | |
| 数据位 | 7 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | 此通讯协议不支持 |



| | | | |
|------|-----------------------------|------|----|
| 在线仿真 | YES (只支持 9600 传输速 率) | 扩展模式 | NO |
|------|-----------------------------|------|----|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|--------|-------------|---------------------------|
| B | X | OOO | 0 ~ 764 | Input Relay |
| B | Y | OOO | 0 ~ 764 | Output Relay |
| B | M | DDDD | 0 ~ 7999 | Auxiliary Relay |
| B | T | DDD | 0 ~ 511 | Timer Relay (T) |
| B | C | DDD | 0 ~ 255 | Counter Relay (C) |
| B | SM | DDDD | 8000 ~ 9999 | Special Relay (M) |
| B | D_Bit | DDDDdd | 0 ~ 799915 | Data Register Bit (D) |
| B | S | DDDD | 0 ~ 4095 | State Relay (S) |
| W | TV | DDD | 0 ~ 511 | Timer Memory (T) |
| W | CV | DDD | 0 ~ 199 | Counter Memory (C) |
| W | D | DDDD | 0 ~ 7999 | Data Register (D) |
| DW | CV2 | DDD | 200 ~ 255 | Counter Memory(D Word) |
| W | SD | DDDD | 8000 ~ 9999 | Special Data Register (D) |
| W | R | DDDDD | 0 ~ 32767 | Extended Register (R) |
| W | Z | D | 0 ~ 7 | Index register |



接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS422 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|---------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS422 8P Mini-DIN Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.71 | Nov/15/2010 | |

MITSUBISHI MELSEC-Q (Ethernet)

支持系列: MITSUBISHI Q 系列 (Q03UDE, Q04UDEH, Q06UDEH, Q10UDEH, Q13UDEH, Q20UDEH, Q26UDEH), MELSEC-Q 通讯协议应用至 Ethernet 接口或 Ethernet 模块的 CPU.

网站: <http://www.mitsubishi-automation.com>

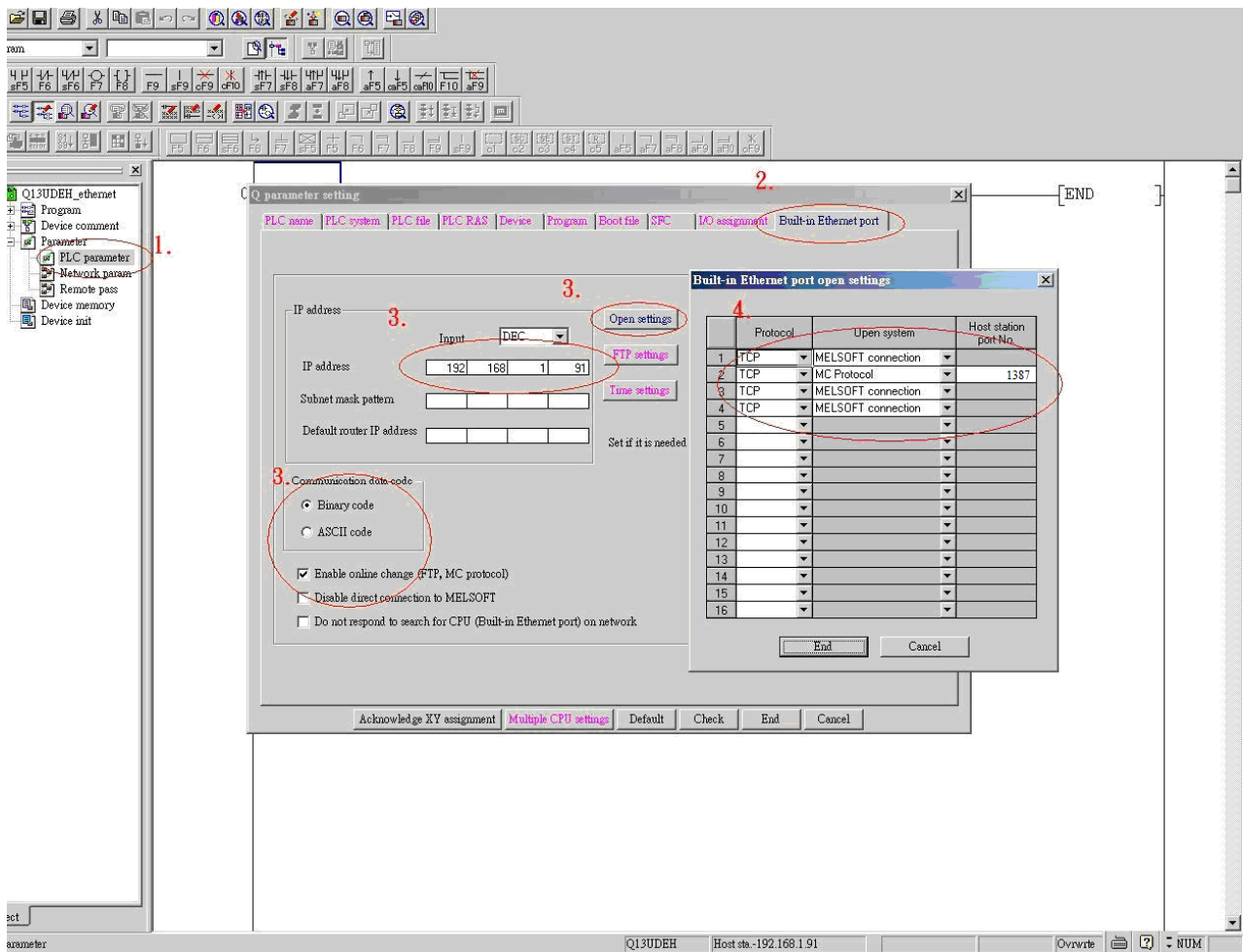
HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------|-------|-----------------|
| PLC 类型 | MITSUBISHI MELSEC-Q (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 需与 PLC 设定相同 | 255 | Q13UDEH 需设定 255 |
| 参数 1 | Networking no. (需与 PLC 设定相同) | 0~255 | Q13UDEH 需设定 0 |
| 连接埠 | 需与 PLC 设定相同 | | 建议设连接埠为 4999 |

PLC 设定:

MITSUBISHI Q 系列 Ethernet 模块设定:

注意: 若使用 QJ71E71 模块, 请参考 MITSUBISHI QJ71E71 连接手册.



1. 点选 PLC parameter
2. 选择 Built-in Ethernet port.
3. 点选 Open 设定 s 并设定 IP address 和 communication data code
4. 设定 MC protocol-TCP 连接埠 1387 (Hex) 和 EasyBuilder TCP 埠为 4999 (Dec).

注意: 在 EasyBuilder, 请在参数 1 填入 network no.

例如, 从下图得知, Network no. 为 2.

| Module 1 | |
|------------------|------------------------------|
| Network type | Ethernet |
| Starting I/O No. | 0000 |
| Network No. | 2 |
| Total stations | |
| Group No. | 1 |
| Station No. | 1 |
| Mode | On line |
| | Operational settings |
| | Initial settings |
| | Open settings |
| | Router relay parameter |
| | Station No.<->IP information |
| | FTP Parameters |
| | E-mail settings |

使用者需在参数 1 设定 2.

Device Properties

Name : MITSUBISHI MELSEC-Q (Ethernet)

HMI PLC

Location : Local

PLC type : MITSUBISHI MELSEC-Q (Ethernet)
V.1.20, MITSUBISHI_MELSEC_Q.so

PLC I/F : Ethernet PLC default station no. : 255

IP Address Settings

IP address : 192 . 168 . 1 . 91

Port no. : 4999

Timeout (sec) : 1.0 Turn around delay (ms) : 0

Send ACK delay (ms) : 0

Parameter 1 : 2

Parameter 2 : 0

Parameter 3 : 0

PLC Network No.

OK Cancel

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|---------|--------------|-------------------------------|
| B | SM | DDDD | 0 ~ 2047 | Special Relay |
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |
| B | M | DDDDD | 0 ~ 61439 | Internal Relay |
| B | L | DDDDD | 0 ~ 32767 | Latch Relay |
| B | F | DDDDD | 0 ~ 32767 | Annunciator |
| B | V | DDDDD | 0 ~ 32767 | Edge Relay |
| B | B | HHHH | 0 ~ efff | Link Relay |
| B | TS | DDDDD | 0 ~ 25471 | Timer Contact |
| B | TC | DDDDD | 0 ~ 25471 | Timer Coil |
| B | SS | DDDDD | 0 ~ 25471 | Retentive Timer Contact |
| B | SC | DDDDD | 0 ~ 25471 | Retentive Timer Coil |
| B | CS | DDDDD | 0 ~ 25471 | Counter Contact |
| B | CC | DDDDD | 0 ~ 25471 | Counter Coil |
| B | SB | HHHH | 0 ~ 7fff | Special Link Relay |
| B | S | DDDD | 0 ~ 8191 | Step relay |
| B | DX | HHHH | 0 ~ 1fff | Direct Input |
| B | DY | HHHH | 0 ~ 1fff | Direct Output |
| B | D_bit | DDDDDDh | 0 ~ 4184063f | Data Register bit |
| B | SD_bit | DDDDh | 0 ~ 2047f | Special register Bit |
| B | ZR_bit | HHHHHHh | 0 ~ 3fd7fff | File Register Bit |
| B | R_bit | DDDDh | 0 ~ 32767f | File Register Bit |
| B | SW_bit | HHHh | 0 ~ 7fff | Special Link Register Bit |
| B | W_bit | HHHHHHh | 0 ~ 3fd7fff | Link Register Bit |
| W | SD | DDDD | 0 ~ 2047 | Special register |
| W | D | DDDDDDD | 0 ~ 4184063 | Data Register |
| W | W | HHHHHH | 0 ~ 3fd7ff | Link Register |
| W | TN | DDDDD | 0 ~ 25471 | Timer Current value |
| W | SN | DDDDD | 0 ~ 25471 | Retentive Timer Current value |
| W | CN | DDDDD | 0 ~ 25471 | Counter Current value |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |


| | | | | |
|---|----|--------|------------|----------------|
| W | Z | DD | 0 ~ 20 | Index Register |
| W | R | DDDDD | 0 ~ 32767 | File Register |
| W | ZR | HHHHHH | 0 ~ 3fd7ff | File Register |

注意：由于每个 CPU 类型不同，我们建议使用者可参考 MITSUBISHI MELSEC-Q 手册的设备类型列表。

接线图：


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|----|-------------|
|-------------|----|-------------|

| | | |
|-------------------------------------------------------------------------------------|-----|--------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Jan/14/2011 | |

MITSUBISHI MR J3 A

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|-------------|----|
| PLC 类型 | MITSUBISHI MR J3 A | | |
| PLC 界面 | RS485 4W | RS232/RS485 | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | 0~31 | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|----|------|----------|
| W | PA | DD | 1~19 | 基本参数设定 |
| W | PB | DD | 1~45 | 增益、滤波器参数 |
| W | PC | DD | 1~50 | 扩增设定参数 |
| W | PD | DD | 1~30 | 输出入设定参数 |
| W | Status | DD | 0~17 | 放大器状态信息 |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------|----|-----|------------|
| W | Alarm | D | 0~6 | 警报 |
| W | Alarm_T | D | 0~6 | 警报时间(小时) |
| W | Mode | D | 1~4 | 唯写，运行模式* |
| W | Speed | D | 0~1 | 唯写，设定现在速度* |
| W | Acc | D | 0~1 | 唯写，设定加速度* |
| W | Rotation | D | 0~1 | 唯写，旋转方向* |
| W | End | D | 0~1 | 唯写，结束* |
| W | M_dist | D | 0~1 | 唯写，移动距离* |
| W | Rot_P | D | 0~1 | 唯写，旋转位置* |
| W | P_start | D | 0~1 | 唯写，位置定位开始* |

Note:*代表缓存器只允许写入,此类缓存器的用途是实现 Jog 与 Positioning 模式

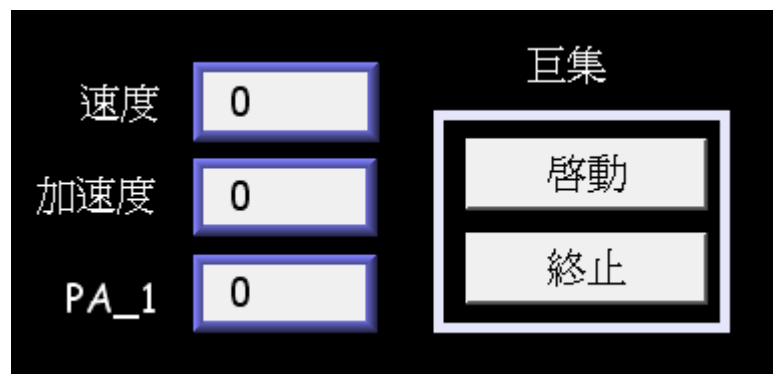
如何使用 EasyBuilder8000/Easy BuilderPro 实现 Jog 与 Positioning Mode

*Jog Mode

依照手册上的说明，使用 Jog Mode 必须遵守以下顺序：

- (1) 使用 Jog 运转模式
- (2) 转速设定
- (3) 加速度设定
- (4) 正反转方向设定
- (5) 终止

以下是利用 EasyBuilder8000/Easy BuilderPro 里的宏来实现上列的程序



上图为 EasyBuilder8000/Easy BuilderPro 运作页面，其中，“速度”Speed 的写入地址为 Local HMI 中的 LW0(地址可由使用者自行设定)，“加速度”设定 LW1，另外，实现 Jog 模式，必须要与设备持续通讯，无通讯间隔不可超过 0.5 秒，否则马达会被锁定住，所以只要放置一个可以读设备值的缓存器即可，本范例放置 PA_1 来达成此目的。

以下是宏示范程序

a.启动宏

```

macro_command main()
short speed
short acc
short mode

mode = 1 // 代表 Jog 运转模式

SetData(mode, "MITSUBISHI MR J3 A", Mode, 1, 1) // 设定驱动器模式为 Jog

GetData(speed, "Local HMI", LW, 0, 1) // 把 LW0 值存入 speed

SetData(speed, "MITSUBISHI MR J3 A", Speed, 0, 1) // 设定马达运行速度

GetData(acc, "Local HMI", LW, 1, 1) //

SetData(acc, "MITSUBISHI MR J3 A", Acc, 0, 1) //设定马达加速度

short motion

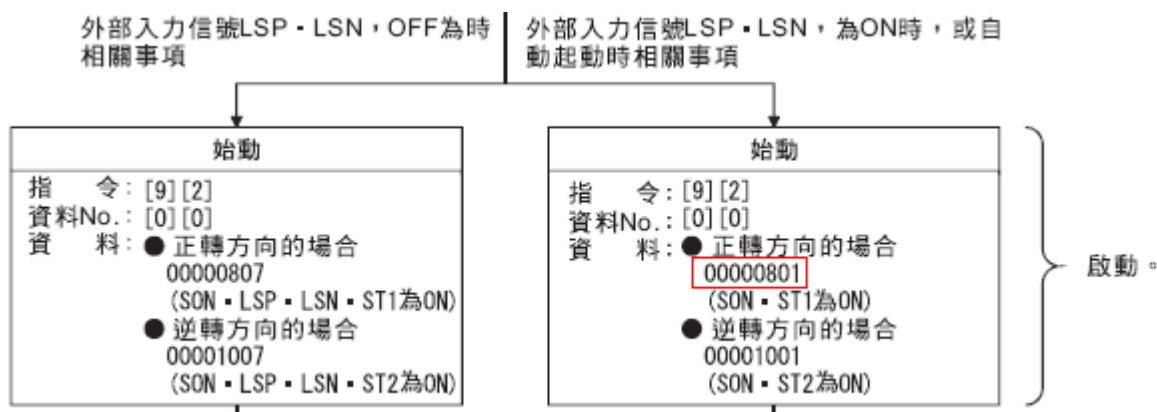
motion = 0x0801 // 特殊代码，注 1

SetData(motion, "MITSUBISHI MR J3 A", Rotation, 0, 1) // 旋转

end macro_command

```

注 1: 原厂说明如下



b. 终止宏

```
macro_command main()
```

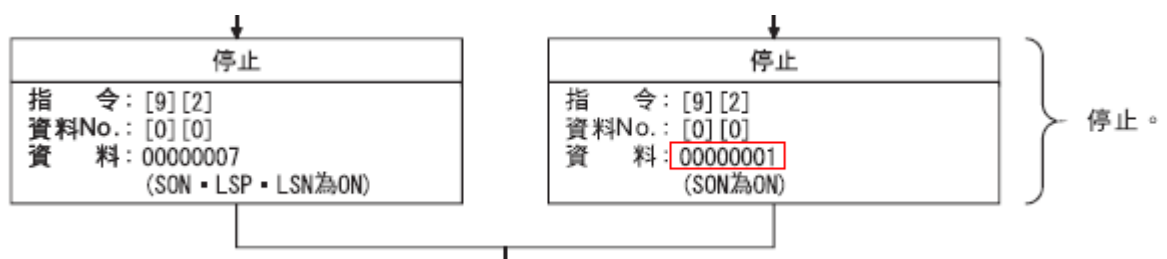
```
short stop
```

```
stop = 1 //注 2
```

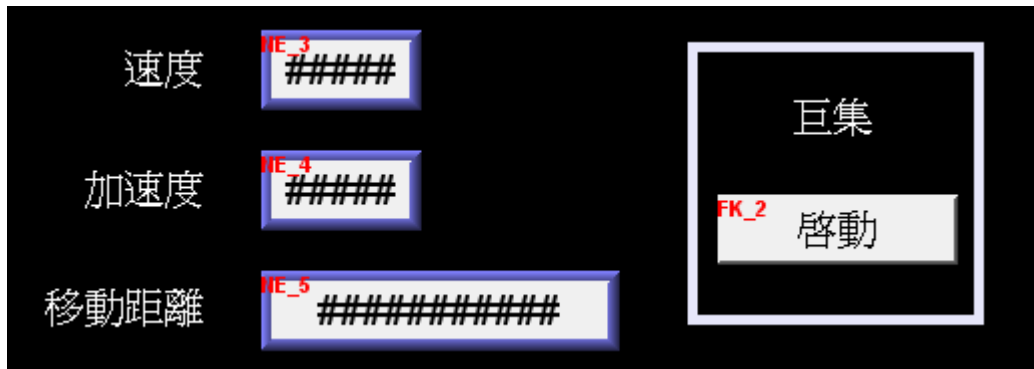
```
SetData(stop, "MITSUBISHI MR J3 A", End, 1, 1)
```

```
end macro_command
```

注 2: 原厂说明如下



*Positioning Mode



上图为 EasyBuilder8000/Easy BuilderPro 运作页面，其中，“速度”的写入地址为 Local HMI 中的 LW2(地址可由使用者自行设定)，“加速度”设定 LW3，“移动距离”设定 LW4(DW 格式)。

以下是宏示范程序

```
macro_command main()
```

```
short mode
```

```
mode = 0x2 // positioning 模式
```

```
SetData(mode, "MITSUBISHI MR J3 A", Mode, 1, 1)
```

```
short speed
```

```
GetData(speed, "Local HMI", LW, 2, 1)
```

```
SetData(speed, "MITSUBISHI MR J3 A", Speed, 0, 1)
```

```
short acc
```

```
GetData(acc, "Local HMI", LW, 3, 1)
```

```
SetData(acc, "MITSUBISHI MR J3 A", Acc, 0, 1)
```

```
short dist
```

```
GetData(dist, "Local HMI", LW, 4, 1)
```

```
SetData(dist, "MITSUBISHI MR J3 A", M_dist, 0, 1)
```

```
short rot_P
```

```
rot_P = 1 // 正转设 0 反转设 1
```



```
SetData(rot_P, "MITSUBISHI MR J3 A", Rot_P, 0, 1)
```

```
short rotat
```

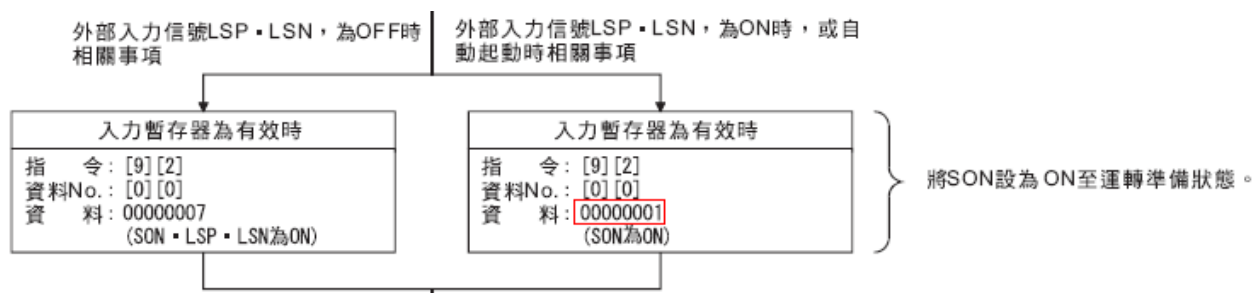
```
rotat = 1 //注 3
```

```
SetData(rotat, "MITSUBISHI MR J3 A", Rotation, 0, 1)
```

```
SetData(rot_P, "MITSUBISHI MR J3 A", P_start, 0, 1) //定位开始
```



```
end macro_command
```

注 3. 原厂说明如下





接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | CN3 RS485 4W RJ45 Male |
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 5 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 3 RX+ |
| 5 GND | | | 7 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|---------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | CN3 RS485 4W RJ45 Male |
| 1 RX- | | | 4 TX- |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 2 RX+ | | | 5 TX+ |
| 3 TX- | | | 6 RX- |
| 4 TX+ | | | 3 RX+ |
| 5 GND | | | 7 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Sep/01/2011 | 发布驱动程序. |

MITSUBISHI MR-MQ100 (Ethernet)

支持系列: MITSUBISHI MR-MQ100-Ethernet

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------------|----|----------------|
| PLC 类型 | MITSUBISHI MR-MQ100 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 255 | | |
| 参数 1 | 1 | | Networking no. |
| 连接埠 | 需与 PLC 设定相同 | | 建议设连接埠: 4999 |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|---------|--------------|------------------|
| B | SM | DDDD | 0 ~ 2255 | Special Relay |
| B | X | HHHH | 0 ~ 1fff | Input |
| B | Y | HHHH | 0 ~ 1fff | Output |
| B | M | DDDDD | 0 ~ 61439 | Internal Relay |
| B | F | DDDDD | 0 ~ 32767 | Annunciator |
| B | B | HHHH | 0 ~ efff | Link Relay |
| B | D_Bit | DDDDDDh | 0 ~ 4184063f | |
| W | SD | DDDD | 0 ~ 2255 | Special Register |
| W | D | DDDDDD | 0 ~ 4184063 | Data Register |
| W | W | HHHHHH | 0 ~ 3fd7ff | Link Register |
| W | # | DDDDD | 0 ~ 12287 | Motion Register |

Note: ddd: Decimal, hhh: Hexadecimal, ooo: Octal.

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

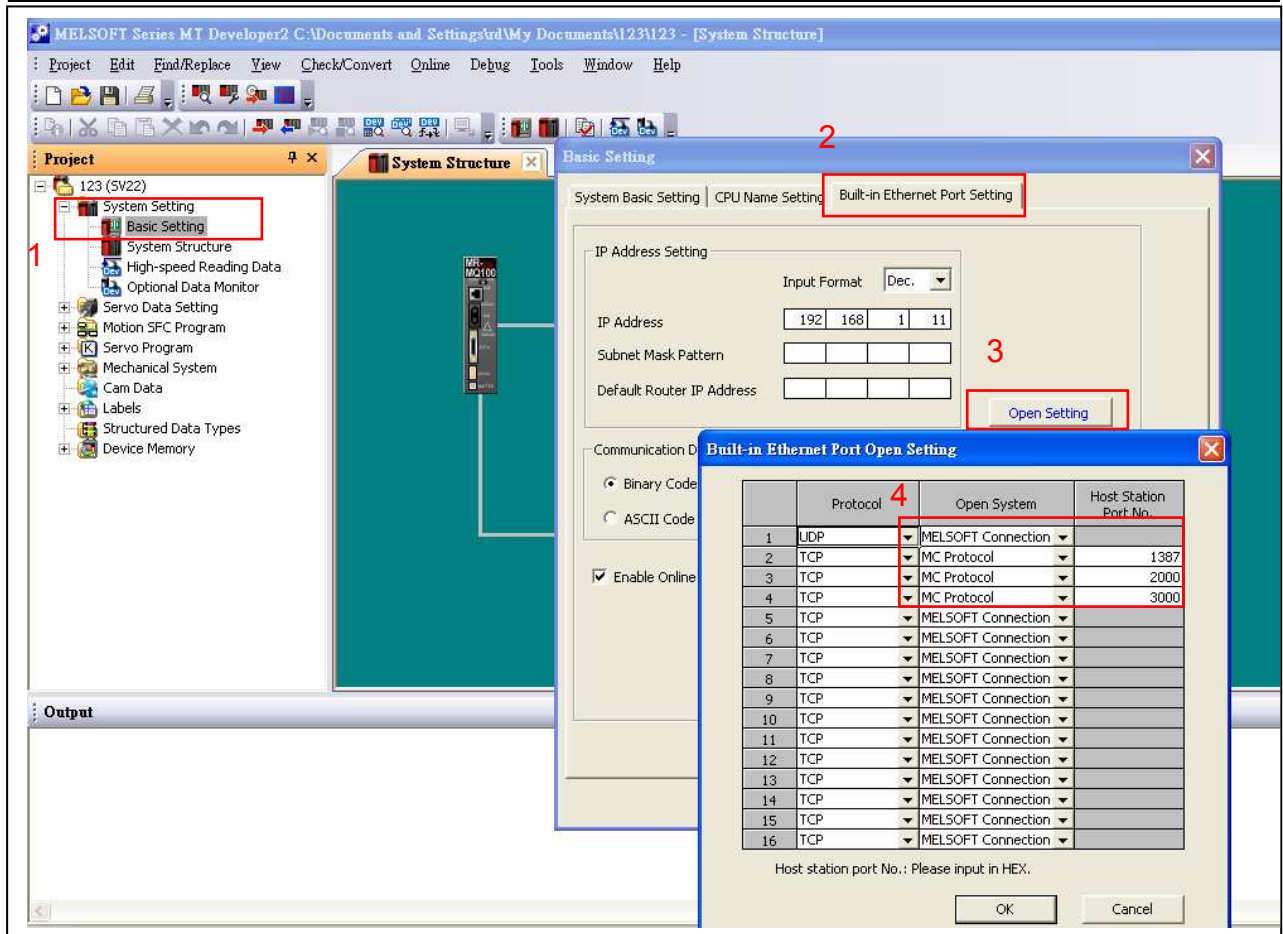
| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V1.10 | Jun/08/2011 | 新增 D_Bit 缓存器. |

MITSUBISHI MR-MQ100-Ethernet 模块设定:



5. 點選 Basic 設定
6. 選擇 Built-in Ethernet port 設定頁簽
7. 點選 Open 設定並設定 IP address 和 communication data code
8. 設定 MC protocol-TCP 連接埠 (Hex)

MITSUBISHI Q00/Q00UJ/Q01/QJ71

支持系列: Mitsubishi Q 系列 PLC 与 QJ71C24 通讯模块, Q00, Q00J, Q00UJ, Q01, Q02H, Q06H, Q12H, Q25H, Q12PH, Q25PH CPU 埠.

网站: <http://www.mitsubishi-automation.com>

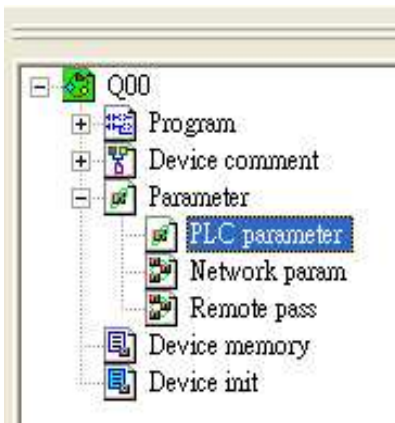
HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------------|-----------------|----|
| PLC 类型 | MITSUBISHI Q00/Q00UJ/Q01/QJ71 | | |
| PLC 界面 | RS232 | RS485 4W, RS232 | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

| | |
|------|-----|
| 在线仿真 | YES |
| 扩展模式 | NO |

PLC 设定:

Q00, Q01 CPU 埠设定:



1. 在 GX Developer “PLC data list” 点选 “PLC parameter”
2. 在 “PLC parameter” 选择 “Serial” 页签.
3. 勾选 “Use serial communication”
4. 设定 “Transmission speed”. 9600 ~ 115200.
5. 勾选 “Sum check”

6. 选择 “Transmission wait time” 为 10ms.

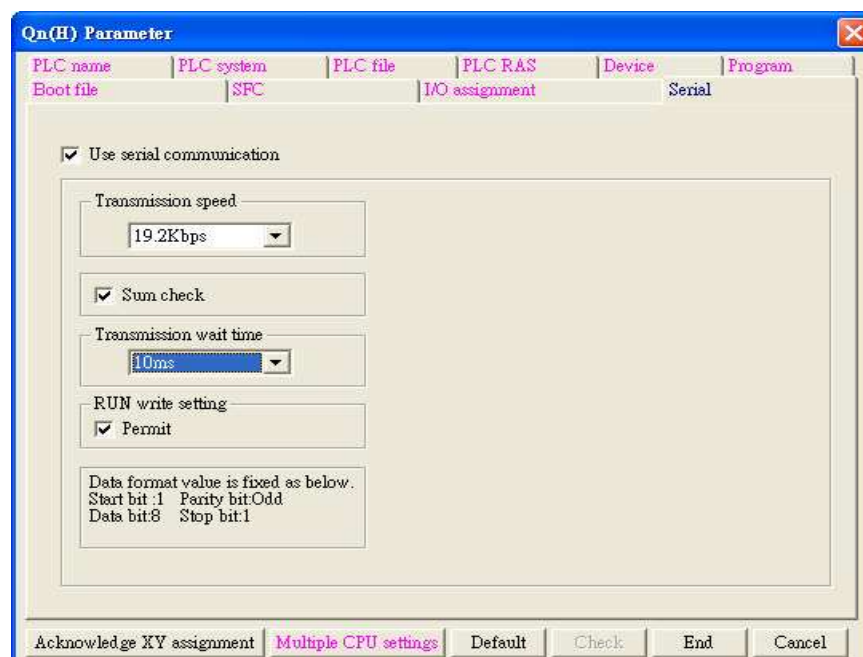
7. 勾选 “RUN write 设定”

8. 点选 “End” 结束对话框.

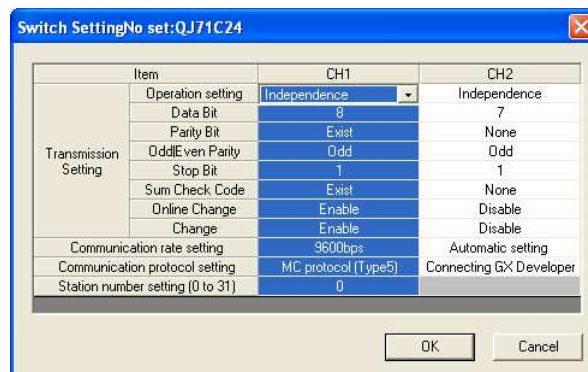
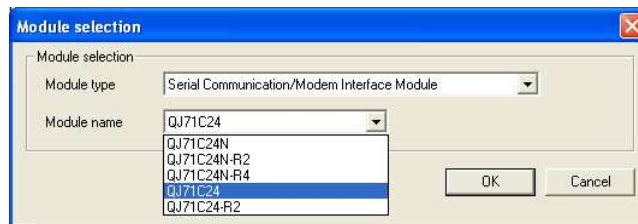
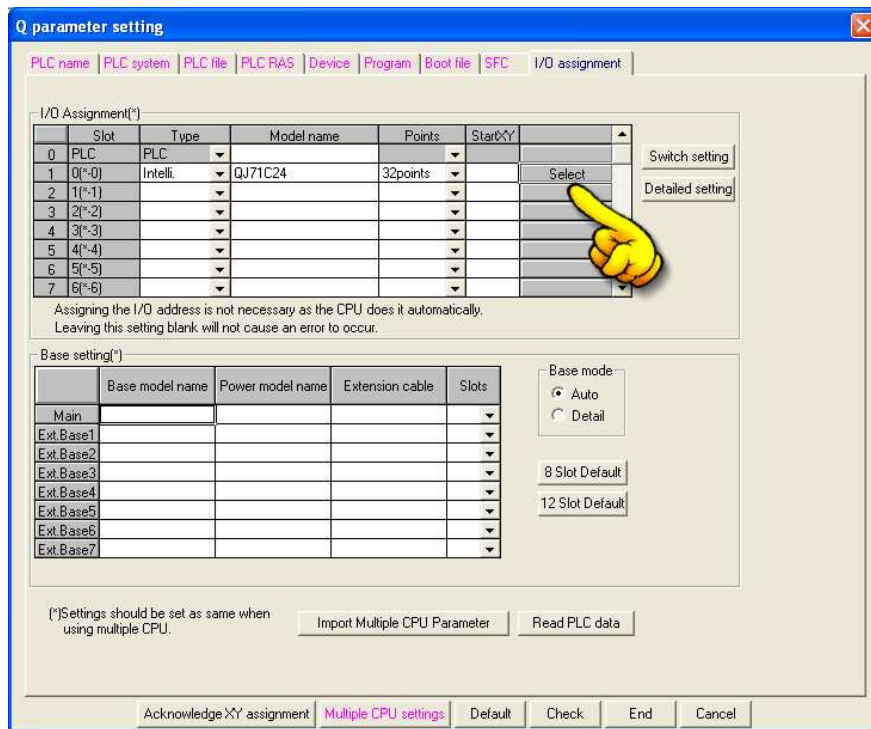
9. 将 PLC Parameter 载入 PLC.

10. 重启 PLC, 参数即生效.

Note: 请务必勾选 “RUN write 设定” (Permit).



QJ71 设定:



设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|--------------|
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |


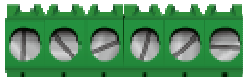
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|--------|------------|-------------------------------|
| B | M | DDDD | 0 ~ 8191 | Internal Relay |
| B | L | DDDD | 0 ~ 8191 | Latch Relay |
| B | F | DDDD | 0 ~ 2047 | Annunciator |
| B | V | DDDD | 0 ~ 2047 | Edge Relay |
| B | B | HHHH | 0 ~ 1fff | Link Relay |
| B | TC | DDDD | 0 ~ 2047 | Timer Coil |
| B | SS | DDDD | 0 ~ 2047 | Retentive Timer Contact |
| B | SC | DDDD | 0 ~ 2047 | Retentive Timer Coil |
| B | CS | DDDD | 0 ~ 1023 | Counter Contact |
| B | CC | DDDD | 0 ~ 1023 | Counter Coil |
| B | SB | HHH | 0 ~ 7ff | Special Link Relay |
| B | S | DDDD | 0 ~ 8191 | Step Relay |
| B | DX | HHHH | 0 ~ 1fff | Direct Input |
| B | DY | HHHH | 0 ~ 1fff | Direct Output |
| B | TS | DDDD | 0 ~ 2047 | Timer Contact |
| B | SM | DDDD | 0 ~ 2047 | |
| B | D_Bit | DDDDDh | 0 ~ 12287f | |
| W | W | HHHH | 0 ~ 2fff | Link Register |
| W | TN | DDDD | 0 ~ 2047 | Timer Current Value |
| W | SN | DDDD | 0 ~ 2047 | Retentive Timer Current Value |
| W | CN | DDDD | 0 ~ 1023 | Counter Current Value |
| W | R | DDDDD | 0 ~ 32767 | File Register |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |
| W | Z | DD | 0 ~ 15 | Index Register |
| W | ZR | HHHH | 0 ~ ffff | File Register |
| W | D | DDDDD | 0 ~ 12287 | Data Register |
| W | SD | DDDD | 0 ~ 2047 | |

接线图:


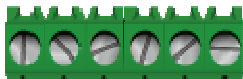
QJ71C24 CH.2 RS422 Terminal

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--|--|--------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | QJ71C24 CH.2 RS422 Terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |





| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | QJ71C24 CH.2 RS422 Terminal |
| 1 RX- | | | SDB |
| 2 RX+ | | | SDA |
| 3 TX- | | | RDB |
| 4 TX+ | | | RDA |
| 5 GND | | | GND |
|  | | |  |



QJ71C24 CH.2 RS232

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | QJ71C24 CH.1 RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 1 DCD |
| | | | 4 DTR |
| | | | 6 DSR |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | circuit |
| | | | circuit |
|  |  |  |  |





MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|-------------------------------------|
| COM1 RS232 9P D-Sub Female | | | QJ71C24 CH.1 RS232 9P D-Sub Male |
|-------------------------------|--|--|-------------------------------------|


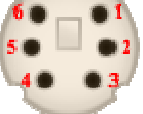
| | | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|---------|
| 9 RX | | | 3 TXD | |
| 6 TX | | | 2 RXD | |
| 5 GND | | | 5 GND | |
|  | | | 1 DCD | |
| | | | 4 DTR | circuit |
| | | | 6 DSR | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
| | | |  | |

9P D-Sub to 6P Mini-DIN: Q00, Q01 CPU port RS232

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |




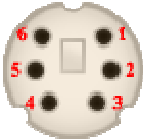
MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
|  | | |  |


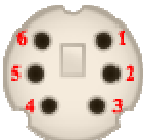
9P D-Sub to 6P Mini-DIN: Q00UJ CPU port RS232

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 1 RTS |
| | | | 6 CTS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
| | | | 1 RTS |
| | | | 6 CTS |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V1.80 | Jun/08/2011 | 新增 D_Bit 缓存器. |

MITSUBISHI Q00J

支持系列: MITSUBISHI Q00J CPU

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|-----------------------------------|----------|
| PLC 类型 | MITSUBISHI Q00J | | |
| PLC 界面 | RS232 | | CPU port |
| 传输速率 | 115200 | 9600,19200,38400, 57600,115200 | |
| 数据位 | 8 | | |
| 校验 | Odd | | |
| 停止位 | 1 | | |
| PLC 站号 | | | |

设备类型:




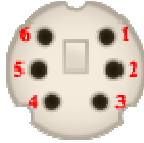
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| B | SM | DDDD | 0 ~ 1023 | |
| B | X | HHH | 0 ~ 7ff | |
| B | Y | HHH | 0 ~ 7ff | |
| B | M | DDDD | 0 ~ 8191 | |
| B | L | DDDD | 0 ~ 2047 | |
| B | F | DDDD | 0 ~ 1023 | |
| B | V | DDDD | 0 ~ 1023 | |
| B | B | HHH | 0 ~ 7ff | |
| B | SB | HHH | 0 ~ 3ff | |

| | | | | |
|---|-------|--------|------------|--|
| B | D_Bit | DDDDDh | 0 ~ 11135f | |
| W | SD | DDDD | 0 ~ 1023 | |
| W | D | DDDDD | 0 ~ 11135 | |
| W | W | HHH | 0 ~ 7ff | |
| W | SW | HHH | 0 ~ 3ff | |
| W | Z | D | 0 ~ 9 | |
| W | C | DDD | 0 ~ 511 | |
| W | T | DDD | 0 ~ 511 | |



接线图:

9P D-Sub to 6P Mini-DIN: Q00 CPU port RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

MT8-Mitsubishi-Q-3M 连接线能够使 HMI 与 Mitsubishi Q 系列直连。

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V1.20 | Jun/08/2011 | 新增 D_bit 缓存器. |

MITSUBISHI Q00U/Q01U/Q02U/QnUD/QnUDH

支持系列: MITSUBISHI Q00U, Q01U, Q02U, Q03UD, Q04UDH, Q06UDH, Q10UDH, Q13UDH, Q20UDH, Q26UDH CPU.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------------------------------|--------------------|---------------------------------------------------|
| PLC 类型 | MITSUBISHI Q00U/Q01U/Q02U/QnUD/QnUDH | | |
| PLC 界面 | RS232 | RS485 4W, RS232 | CPU 埠直连 |
| 传输速率 | 115200 | 115200 only | 9600,19200,38400,57600,115200 但 Q00UJ 只支援 9600 |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | No | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----------------|
| B | SM | DDDD | 0 ~ 2047 | |
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |
| B | M | DDDD | 0 ~ 8191 | Internal Relay |
| B | L | DDDD | 0 ~ 8191 | Latch Relay |
| B | F | DDDD | 0 ~ 2047 | Annunciator |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|--------|------------|-----------------------|
| B | V | DDDD | 0 ~ 2047 | Edge Relay |
| B | B | HHHH | 0 ~ 1fff | Link Relay |
| B | SB | HHH | 0 ~ 7ff | Special Link Relay |
| B | D_Bit | DDDDDh | 0 ~ 12287f | |
| W | SD | DDDD | 0 ~ 2047 | |
| W | D | DDDDD | 0 ~ 12287 | Data Register |
| W | W | HHHH | 0 ~ 1fff | Link Register |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |
| W | Z | DD | 0 ~ 19 | Index Register |
| W | R | DDDDD | 0 ~ 32767 | |
| W | C | DDDD | 0 ~ 1023 | Counter Current Value |
| W | T | DDDD | 0 ~ 2047 | Timer Current Value |

注意:

EasyBuilder 不支持 MITSUBISHI Q02U CPU 在 PC 操作在线模拟。

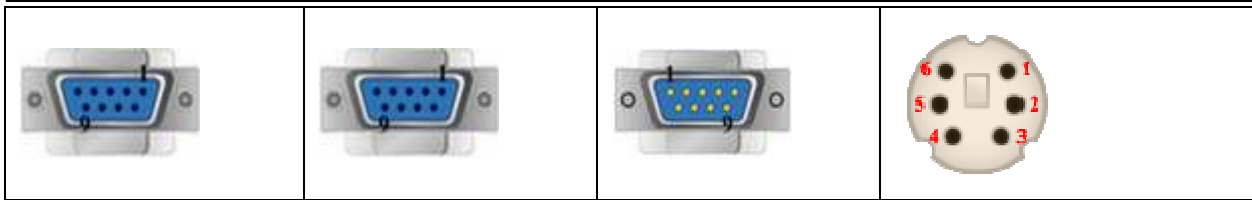
当使用 Q02U 驱动, HMI 需约 10 秒来初使化 PLC Q02U 驱动. 在初使化结束前, 我们建议使用者勿写入数值至 PLC, 否则可能导致 “PLC no response”; 若接线图或数据不正确, 可能导致 PLC 动作不正常. 若动作异常时, 需重启 PLC 或重新装配 PLC 模块.

接线图:


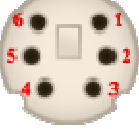
9P D-Sub to 6P Mini-DIN: Q02 CPU port RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male | |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 4 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 1 RTS | circuit |
| | | | 6 CTS | |



MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
| | | | 1 RTS |
| | | | 6 CTS |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V1.60 | Jun/08/2011 | 新增 D_bit 缓存器. |

MITSUBISHI Q00UJ/QnU/QnUD/QnUDH/QnUDEH (mini USB)

支持系列: MITSUBISHI Q00UJ, Q00U, Q01U, Q02U, Q03UDE, Q03UD, Q04UDEH, Q04UDH, Q06UDEH, Q06UDH, Q10UDEH, Q10UDH, Q13UDEH, Q13UDH, Q20UDEH, Q20UDH, Q26UDEH, Q26UDH USB 埠.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------------------------------------|----|---------|
| PLC 类型 | MITSUBISHI Q00UJ/QnU/QnUD/QnUDH/QnUDEH (mini USB) | | |
| PLC 界面 | USB | | CPU 埠直连 |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|------------|-----------------------|
| B | SM | DDDD | 0 ~ 2047 | |
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |
| B | M | DDDD | 0 ~ 8191 | Internal Relay |
| B | L | DDDD | 0 ~ 8191 | Latch Relay |
| B | F | DDDD | 0 ~ 2047 | Annunciator |
| B | V | DDDD | 0 ~ 2047 | Edge Relay |
| B | B | HHHH | 0 ~ 1fff | Link Relay |
| B | SB | HHH | 0 ~ 7ff | Special Link Relay |
| B | D_Bit | DDDDh | 0 ~ 12287f | |
| W | SD | DDDD | 0 ~ 2047 | |
| W | D | DDDD | 0 ~ 12287 | Data Register |
| W | W | HHHH | 0 ~ 1fff | Link Register |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|-----------------------|
| W | Z | DD | 0 ~ 19 | Index Register |
| W | R | DDDDD | 0 ~ 32767 | |
| W | C | DDDD | 0 ~ 1023 | Counter Current Value |
| W | T | DDDD | 0 ~ 2047 | Timer Current Value |

注意:

EasyBuilder 不支持 MITSUBISHI Q02U CPU 在 PC 操作在线模拟.

当使用 Q02U 驱动, HMI 需约 10 秒来初使化 PLC Q02U 驱动. 在初使化结束前, 我们建议使用者勿写入数值至PLC, 否则可能导致“PLC no response”; 若接线图或数据不正确, 可能导致 PLC 动作不正常. 若动作异常时, 需重启 PLC 或重新装配 PLC 模块.EasyBuilder 不支持 MITSUBISHI Q02U CPU 在PC上实现在线模拟.

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------------|
| V1.30 | Jun/08/2011 | 新增 D_bit 缓存器 |

MITSUBISHI Q02/02H

支持系列; Mitsubishi Q02/Q02H CPU port.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|-----------------|----|
| PLC 类型 | MITSUBISHI Q02/02H | | |
| PLC 界面 | RS232 | RS485 4W, RS232 | |
| 传输速率 | 115200 | 115200 only | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 扩展模式 | NO |
| 广播命令 | NO | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|--------------|
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |




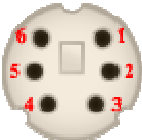
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|------------|-------------------------------|
| B | M | DDDD | 0 ~ 8191 | Internal Relay |
| B | L | DDDD | 0 ~ 8191 | Latch Relay |
| B | F | DDDD | 0 ~ 2047 | Annunciator |
| B | V | DDDD | 0 ~ 2047 | Edge Relay |
| B | B | HHHH | 0 ~ 1fff | Link Relay |
| B | TC | DDDD | 0 ~ 2047 | Timer Coil |
| B | SS | DDDD | 0 ~ 2047 | Retentive Timer Contact |
| B | SC | DDDD | 0 ~ 2047 | Retentive Timer Coil |
| B | CS | DDDD | 0 ~ 1023 | Counter Contact |
| B | CC | DDDD | 0 ~ 1023 | Counter Coil |
| B | SB | HHH | 0 ~ 7ff | Special Link Relay |
| B | S | DDDD | 0 ~ 8191 | Step Relay |
| B | DX | HHHH | 0 ~ 1fff | Direct Input |
| B | DY | HHHH | 0 ~ 1fff | Direct Output |
| B | TS | DDDD | 0 ~ 2047 | Timer Contact |
| B | D_Bit | DDDDh | 0 ~ 12287f | |
| W | W | HHHH | 0 ~ 1fff | Link Register |
| W | TN | DDDD | 0 ~ 2047 | Timer Current Value |
| W | SN | DDDD | 0 ~ 2047 | Retentive Timer Current Value |
| W | CN | DDDD | 0 ~ 1023 | Counter Current Value |
| W | R | DDDDD | 0 ~ 32767 | File Register |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |
| W | Z | DD | 0 ~ 15 | Index Register |
| W | ZR | HHHH | 0 ~ ffff | File Register |
| W | D | DDDDD | 0 ~ 12287 | Data Register |

接线图:


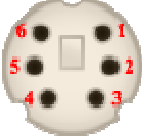
9P D-Sub to 6P Mini-DIN: Q02 CPU port RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 4 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 1 RTS circuit |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | | 6 CTS |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
| | | | 1 RTS |
| | | | 6 CTS |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V1.60 | Jun/08/2011 | 新增 D_bit 缓存器. |

mitsubishi Q06H

支持系列: Mitsubishi Q06H CPU port.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|-----------------|----|
| PLC 类型 | MITSUBISHI Q06H | | |
| PLC 界面 | RS232 | RS485 4W, RS232 | |
| 传输速率 | 115200 | 唯 115200 | |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 扩展模式 | NO |
| 广播命令 | NO | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|--------------|
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |




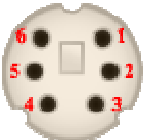
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|------------|-------------------------------|
| B | M | DDDD | 0 ~ 8191 | Internal Relay |
| B | L | DDDD | 0 ~ 8191 | Latch Relay |
| B | F | DDDD | 0 ~ 2047 | Annunciator |
| B | V | DDDD | 0 ~ 2047 | Edge Relay |
| B | B | HHHH | 0 ~ 1fff | Link Relay |
| B | TC | DDDD | 0 ~ 2047 | Timer Coil |
| B | SS | DDDD | 0 ~ 2047 | Retentive Timer Contact |
| B | SC | DDDD | 0 ~ 2047 | Retentive Timer Coil |
| B | CS | DDDD | 0 ~ 1023 | Counter Contact |
| B | CC | DDDD | 0 ~ 1023 | Counter Coil |
| B | SB | HHH | 0 ~ 7ff | Special Link Relay |
| B | S | DDDD | 0 ~ 8191 | Step Relay |
| B | DX | HHHH | 0 ~ 1fff | Direct Input |
| B | DY | HHHH | 0 ~ 1fff | Direct Output |
| B | TS | DDDD | 0 ~ 2047 | Timer Contact |
| B | D_Bit | DDDDh | 0 ~ 12287f | |
| W | W | HHHH | 0 ~ 1fff | Link Register |
| W | TN | DDDD | 0 ~ 2047 | Timer Current Value |
| W | SN | DDDD | 0 ~ 2047 | Retentive Timer Current Value |
| W | CN | DDDD | 0 ~ 1023 | Counter Current Value |
| W | R | DDDDD | 0 ~ 32767 | File Register |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |
| W | Z | DD | 0 ~ 15 | Index Register |
| W | ZR | HHHH | 0 ~ ffff | File Register |
| W | D | DDDDD | 0 ~ 12287 | Data Register |

接线图:


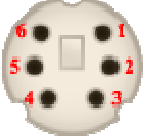
9P D-Sub to 6P Mini-DIN: Q02 CPU port RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 6P Mini-DIN Male | |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 4 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 1 RTS | circuit |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | | 6 CTS |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 6P Mini-DIN Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 4 RXD |
| 5 GND | | | 5 GND |
| | | | 1 RTS |
| | | | 6 CTS |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V1.60 | Jun/08/2011 | 新增 D_bit 缓存器. |

MITSUBISHI QJ71E71 (Ethernet)

支持系列 ; Mitsubishi Q 类型, MELSEC-Q 系列 PLC (Q00J, Q00, Q01, Q02, Q02H, Q06H, Q12H, Q25H, Q12PH, Q25PH) QJ71E71-100 Ethernet 模块.

网站: <http://www.mitsubishi-automation.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------------|------|----|
| PLC 类型 | MITSUBISHI QJ71E71 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 2 | 1~99 | |
| 连接埠 | 5002 | | |

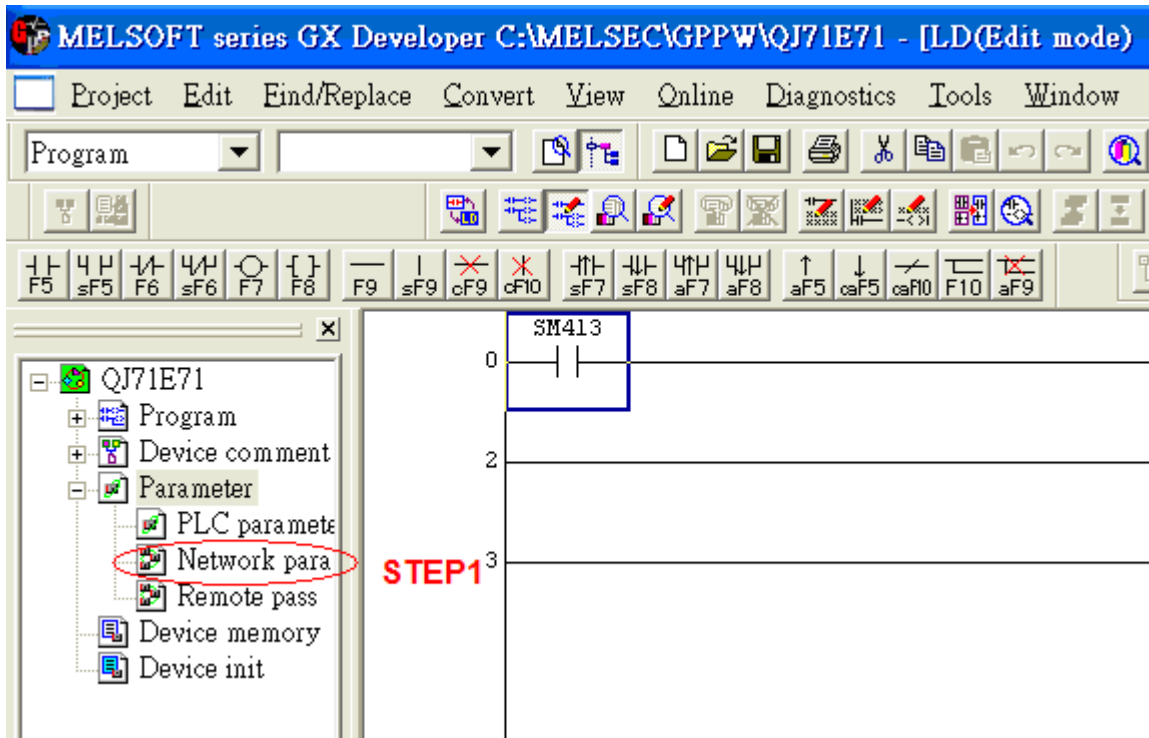
注意: MITSUBISHI QJ71E71 只支援 PLC Network no. 1.

若 PLC's Network no. 不是 1, 请使用 "MITSUBISHI MELSEC-Q(Ethernet)" 驱动并在参数 1 填入 Network no.

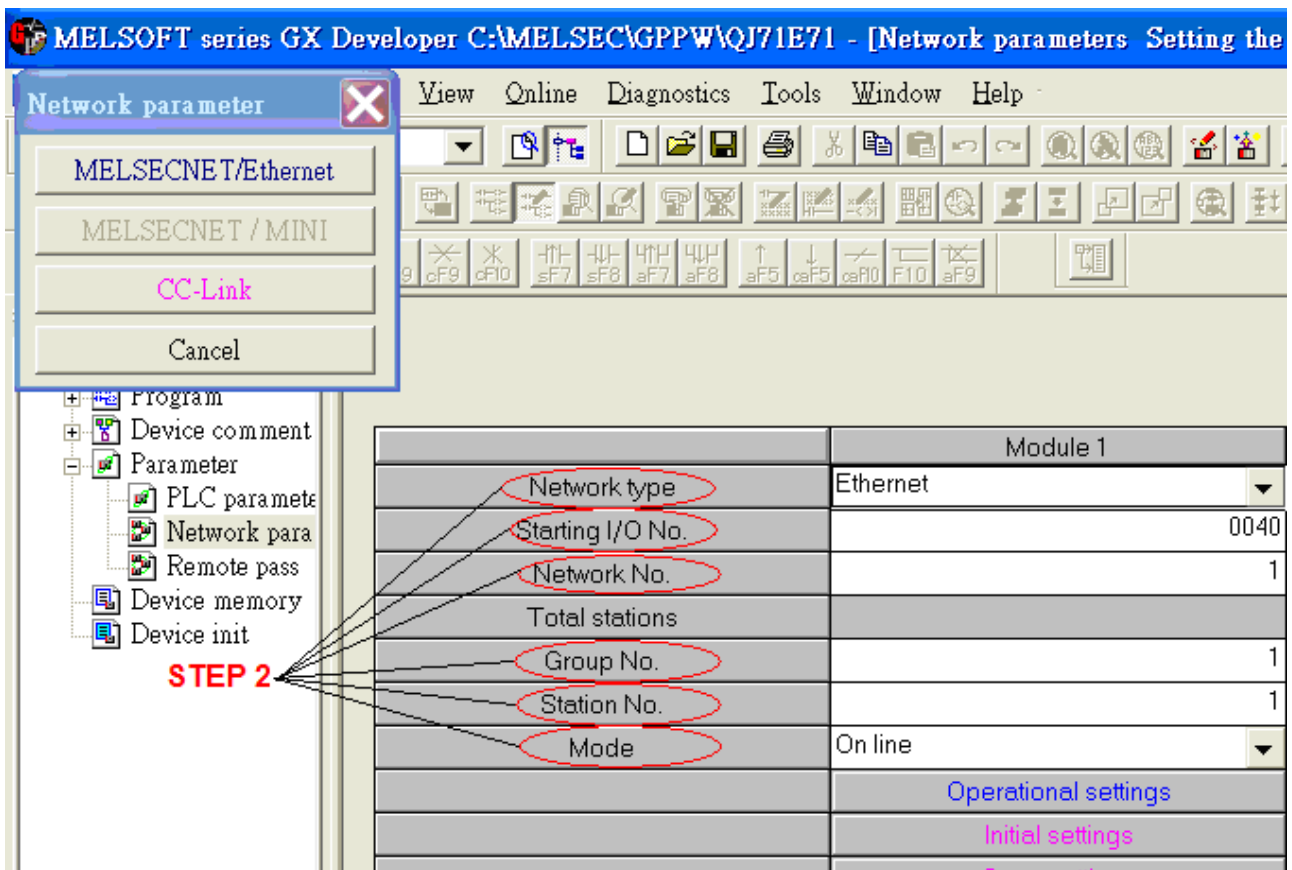
PLC 设定:

QJ71E71-100 Ethernet 模块设定:

1. 使用 Q-CPU's USB 或 RS232 设定 PLC 参数设定.

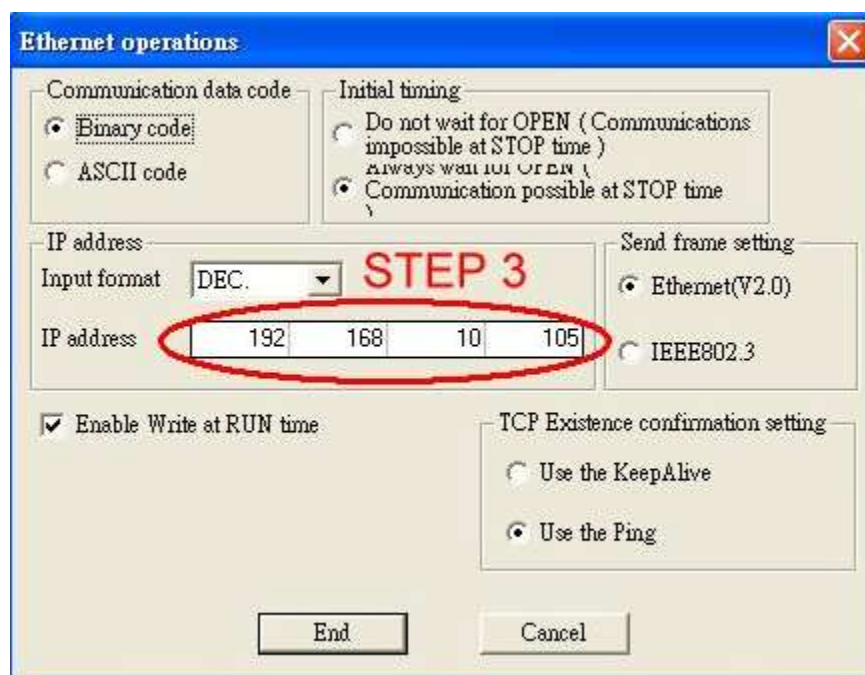


2. 点选 Operational 设定设定 IP.



| | Module 1 | Module 2 |
|------------------|--------------------------------|----------|
| Network type | Ethernet | None |
| Starting I/O No. | 0040 | |
| Network No. | 1 | |
| Total stations | | |
| Group No. | 1 | |
| Station No. | 1 | |
| Mode | On line | |
| | Operational settings | |
| | Initial settings | |
| | Open settings | |
| | Router relay parameter | |
| | Station No. <-> IP information | |
| | FTP Parameters | |
| | E-mail settings | |
| | Interrupt settings | |

3. 选择 Ethernet (2.0) 可与 HMI 通讯.



4. 点选“Open 设定 s” 设定 system.

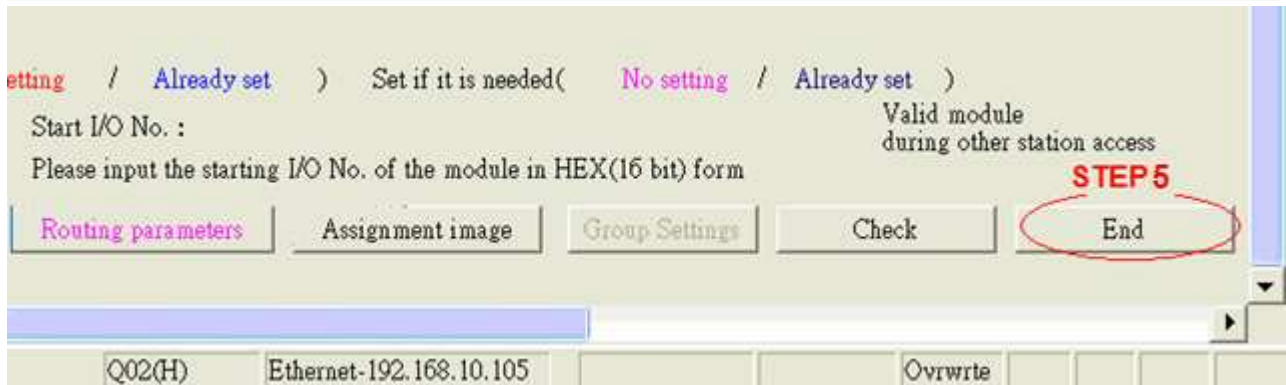
| | Module 1 | Module 2 |
|------------------|--------------------------------|----------|
| Network type | Ethernet | None |
| Starting I/O No. | 0040 | |
| Network No. | 1 | |
| Total stations | | |
| Group No. | 1 | |
| Station No. | 1 | |
| Mode | On line | |
| | Operational settings | |
| | Initial settings | |
| | STEP 4 Open settings | |
| | Router relay parameter | |
| | Station No. <-> IP information | |
| | FTP Parameters | |
| | E-mail settings | |
| | Interrupt settings | |

Network parameter Ethernet open setting. Module No. 1

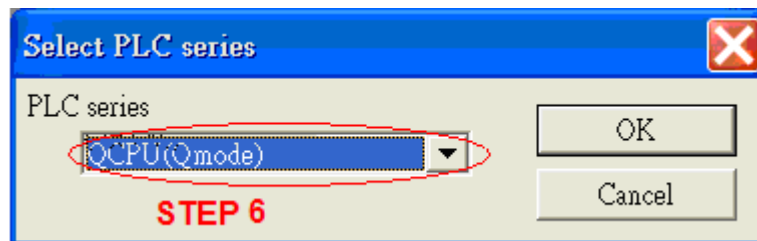
| | Protocol | Open system | Fixed buffer | Fixed buffer communication procedure | Pairing open | Existence confirmation | Host station Port No. | Transmission target device IP address | Transmission target device Port No. |
|----|----------|--------------------|--------------|--------------------------------------|--------------|------------------------|-----------------------|---------------------------------------|-------------------------------------|
| 1 | TCP | MELSOFT connection | | | | | | | |
| 2 | TCP | MELSOFT connection | | | | | | | |
| 3 | TCP | MELSOFT connection | | | | | | | |
| 4 | TCP | MELSOFT connection | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |

End Cancel

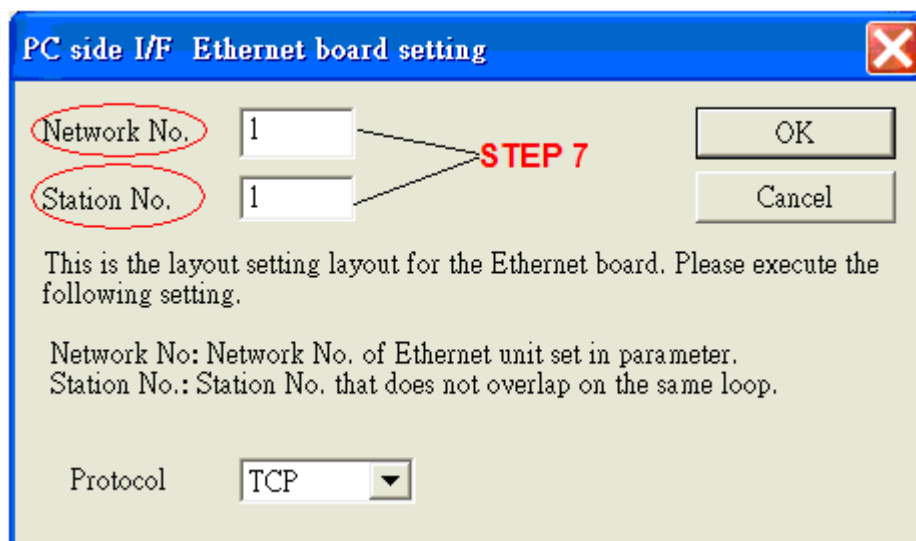
5. 点选 End 即可结束设定。



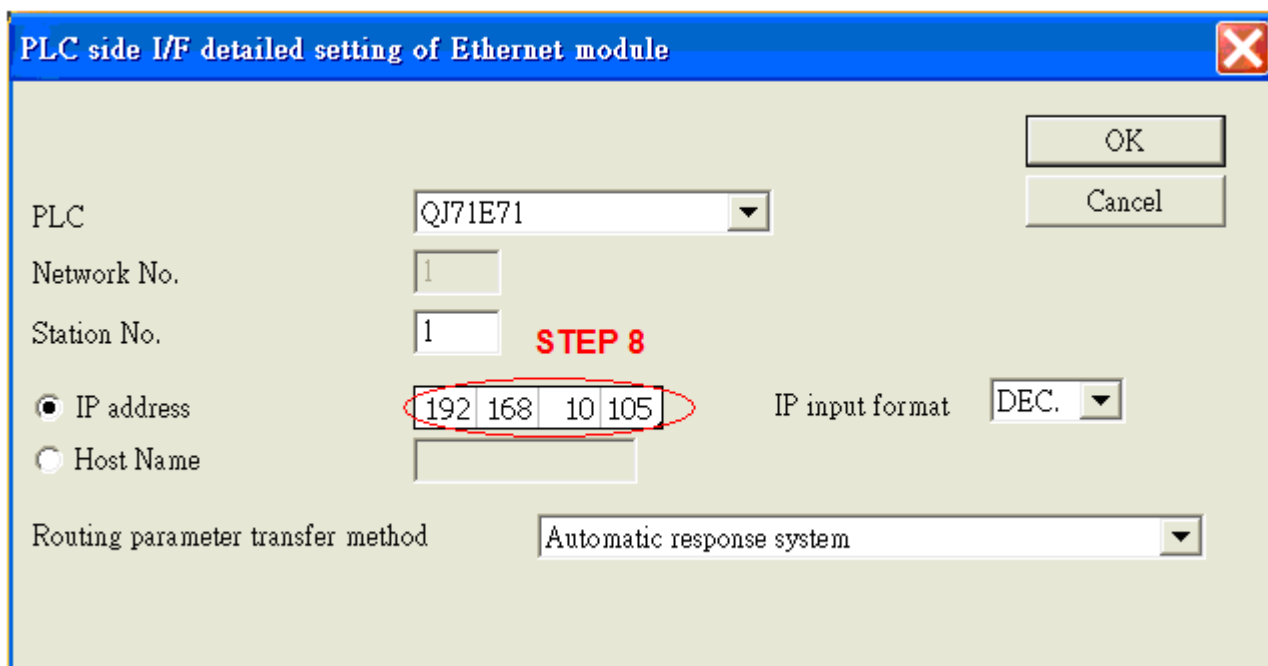
6. 重启 PLC 软件并选择 [Read From PLC], 点选 QCPU(Qmode) 后点选 OK.



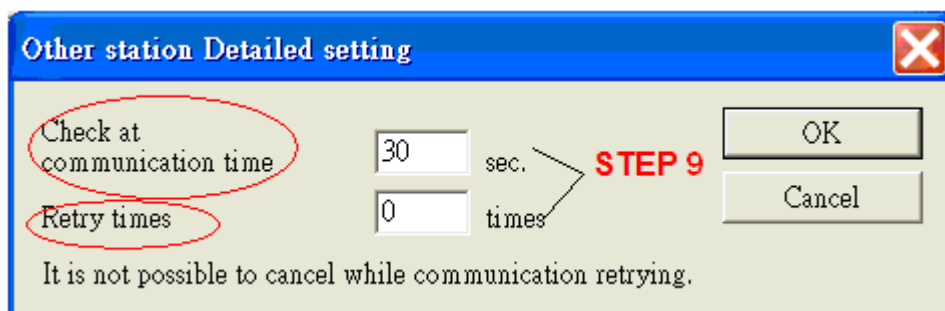
7. 选择 “Ethernet board” in PC side 接口 设定 Network 和 Station no.
(Station no.1 为 PC station no. 不是 Ethernet 模块的, 范围从 2 ~ 64,
Network no. 不能与 PC 的站号相同)



8. 选择“Ethernet module” PLC side 接口 设定 QJ71E71 的 IP address.(IP address = Network Parameter’s IP address)



9. 在“Other station”，点选“Other station(Single network)” 设定“Check at communication time”和“Retry times”。



结束上述设定后，点选“Connection test”测试通讯并传送 PLC 程序。

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|----|----|----|
| | | | | |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|------------|-----------------------|
| B | SM | DDDD | 0 ~ 2047 | |
| B | X | HHHH | 0 ~ 1fff | Input Relay |
| B | Y | HHHH | 0 ~ 1fff | Output Relay |
| B | M | DDDD | 0 ~ 8191 | Internal Relay |
| B | L | DDDD | 0 ~ 8191 | Latch Relay |
| B | F | DDDD | 0 ~ 2047 | Annunciator |
| B | V | DDDD | 0 ~ 2047 | Edge Relay |
| B | B | HHHH | 0 ~ 1fff | Link Relay |
| B | TS | DDDD | 0 ~ 2047 | |
| B | TC | DDDD | 0 ~ 2047 | |
| B | SS | DDDD | 0 ~ 2047 | |
| B | SC | DDDD | 0 ~ 2047 | |
| B | CS | DDDD | 0 ~ 1023 | |
| B | CC | DDDD | 0 ~ 1023 | |
| B | SB | HHH | 0 ~ 7ff | Special Link Relay |
| B | S | DDDD | 0 ~ 8191 | |
| B | DX | HHHH | 0 ~ 1fff | Direct Input |
| B | DY | HHHH | 0 ~ 1fff | Direct Output |
| B | D_Bit | DDDDh | 0 ~ 12287f | |
| W | SD | DDDD | 0 ~ 2047 | |
| W | D | DDDDD | 0 ~ 12287 | Data Register |
| W | W | HHHH | 0 ~ 1fff | Link Register |
| W | TN | DDDD | 0 ~ 2047 | |
| W | SN | DDDD | 0 ~ 2047 | |
| W | CN | DDDD | 0 ~ 1023 | |
| W | SW | HHH | 0 ~ 7ff | Special Link Register |
| W | Z | DD | 0 ~ 15 | Index Register |
| W | R | DDDDD | 0 ~ 32767 | File Register |
| W | ZR | HHHHH | 0 ~ fe7ff | File Register |

接线图:


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------|
| V2.20 | Jun/08/2011 | 新增 D_bit 缓存器. |

MODBUS ASCII

支持系列: MODBUS ASCII CONTROLLER

网站: <http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------|-----------------------------------|----|
| PLC 类型 | MODBUS ASCII | | |
| PLC 界面 | RS485 | RS232/RS485 | |
| 传输速率 | 9600 | 9600/19200/38400/ 57600/115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 1 | 0-255 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | | |

PLC 设定:

| | |
|------|-----------------------|
| 通讯模式 | Modbus ASCII protocol |
|------|-----------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|---------|---------------|-------------------------|
| B | 1x | DDDDD | 1 ~ 65535 | Input bit (只读) |
| B | 0x | DDDDD | 1 ~ 65535 | Output bit |
| B | 3x_Bit | DDDDDdd | 100 ~ 6553515 | Input Register bit (只读) |
| B | 4x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| W | 3x | DDDDD | 1 ~ 65535 | Input Register (只读) |
| W | 4x | DDDDD | 1 ~ 65535 | Output Register |
| W | 6x | DDDDD | 1 ~ 65535 | |

Modbus RTU 功能码:

| | | |
|----|----------------------------|------------------------------|
| 0x | 0x01 Read coil | 0x05 write single coil |
| 1x | 0x02 Read discrete input | N/A for write operation |
| 3x | 0x04 Read input register | N/A for write operation |
| 4x | 0x03 Read holding register | 0x10 write multiple register |

3xbit 等同于 3x





4xbit 等同于 4x

接线图:



Modbus ASCII Controller : RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Female |
|-------------------------------|-------------------------------|-----------------------------|--------------------------|
| 2 RX | 6 RX | 8 RX | TXD |
| 3 TX | 4 TX | 7 TX | RXD |
| 5 GND | 5 GND | 5 GND | GND |
| | | | RTS circuit |



| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | | CTS |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Female |
| 9 RX | | | TXD |
| 6 TX | | | RXD |
| 5 GND | | | GND |
| | | | RTS |
| | | | CTS |
| | | | circuit |
|  | | |  |



Modbus ASCII Controller : RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |




MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|-----------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Female |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

Modbus ASCII Controller : RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Female |
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.40 | Apr/17/2009 | |

MODBUS RTU

支持系列：MODBUS RTU CONTROLLER

网站：<http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------|-----------------|----|
| PLC 类型 | MODBUS RTU | | |
| PLC 界面 | RS485 | RS232/RS485 | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 1 | 0-255 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | | |

PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | Modbus RTU protocol |
|------|---------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|---------|---------------|-------------------------|
| B | 0x | DDDDD | 1 ~ 65535 | Output bit |
| B | 1x | DDDDD | 1 ~ 65535 | Input bit (只读) |
| B | 3x_Bit | DDDDDdd | 100 ~ 6553515 | Input Register bit (只读) |
| B | 4x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 6x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 0x_multi_coils | DDDDD | 1 ~ 65535 | Write multiple coils |
| W | 3x | DDDDD | 1 ~ 65535 | Input Register (只读) |
| W | 4x | DDDDD | 1 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 1 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 1 ~ 65535 | 4x single word write |
| W | 4x_32Bit | DDDDD | 1 ~ 65535 | 4x High/Low byte swap |

注意：

地址类型“5x”代表 Hold Reg。在通讯协议中“5x”相当于“4x”，只是当为双字符时，“5x”的高字符和低字符的位置是颠倒的。

假设 4x 遵循以下信息：

| | | | | | | | |
|--------------|---------|-----|---------|-----|---------|-----|-----|
| Address | 1 | 2 | 3 | 4 | 5 | 6 | ... |
| Data in word | 0x1 | 0x2 | 0x3 | 0x4 | 0x5 | 0x6 | |
| Data | 0x20001 | | 0x40003 | | 0x60005 | | |

对地址类型改为 5x 的话,就会变成：

| | | | | | | | |
|--------------|---------|-----|---------|-----|---------|-----|-----|
| Address | 1 | 2 | 3 | 4 | 5 | 6 | ... |
| Data in word | 0x2 | 0x1 | 0x4 | 0x3 | 0x6 | 0x5 | |
| Data | 0x10002 | | 0x30004 | | 0x50006 | | |

Modbus RTU 功能码:

| | | | | |
|----------------|------|-----------------------|------|-------------------------|
| 0x | 0x01 | Read coil | 0x05 | write single coil |
| 0x_multi_coils | 0x01 | Read coil | 0x0f | write multiple coil |
| 1x | 0x02 | Read discrete input | | N/A for write operation |
| 3x | 0x04 | Read input register | | N/A for write operation |
| 4x | 0x03 | Read holding register | 0x10 | write multiple register |
| 5x | 0x03 | Read holding register | 0x10 | write multiple register |

(注意：仅双字符格式会变成颠倒排列)

3xbit 等同于 3x





4xbit 等同于 4x

| | | | | |
|----|------|-----------------------|------|-----------------------|
| 6x | 0x03 | Read holding register | 0x06 | write single register |
|----|------|-----------------------|------|-----------------------|



(注意：使用 6x 装置时仅限于单字元)

接线图：
MODBUS RTU CONTROLLER : RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub FeMale | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | TXD | |
| 3 TX | 4 TX | 7 TX | RXD | |
| 5 GND | 5 GND | 5 GND | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  |  |  |  | |



MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub FeMale | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | TXD | |
| 6 TX | | | RXD | |
| 5 GND | | | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  | | |  | |



MODBUS RTU CONTROLLER : RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
|--------------------------------|--|--|---------------------------|
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

MT6050i/MT8050i




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Female |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

MODBUS RTU CONTROLLER : RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Female |
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------------------------------------------------|
| V1.90 | May/05/2010 | 适用于当从 modbus RTU 的数据大于 8 bytes, LW-9570 无法精准的计算。 |

MODBUS RTU (0x/1x Range Adjustable)

支持系列：MODBUS RTU CONTROLLER

网站：<http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 s | 注释 |
|--------|----------------------------------|-------------------------------|----|
| PLC 类型 | MODBUS RTU (0x/1x 范围 Adjustable) | | |
| PLC 界面 | RS485 | RS232/RS485 | |
| 传输速率 | 9600 | 9600/19200/38400/57600/115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 1 | 0-255 | |

| | |
|------|-----|
| 在线仿真 | YES |
| 扩展模式 | YES |

PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | Modbus RTU protocol |
|------|---------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|---------|---------------|-------------------------|
| B | 0x | DDDDD | 1 ~ 65535 | Output bit |
| B | 1x | DDDDD | 1 ~ 65535 | Input bit (只读) |
| B | 3x_Bit | DDDDDdd | 100 ~ 6553515 | Input Register bit (只读) |
| B | 4x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 6x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 0x_multi_coils | DDDDD | 1 ~ 65535 | Write multiple coils |
| W | 3x | DDDDD | 1 ~ 65535 | Input Register (只读) |
| W | 4x | DDDDD | 1 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 1 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 1 ~ 65535 | 4x single word write |
| W | 4x_32Bit | DDDDD | 1 ~ 65535 | 4x High/Low byte swap |

注意：

地址类型“5x”代表 Hold Reg。在通讯协议中“5x”相当于“4x”，只是当为双字符时，“5x”的高字符和低字符的位置是颠倒的。

假设 4x 遵循以下信息：

| | | | | | | | |
|--------------|---------|-----|---------|-----|---------|-----|-----|
| Address | 1 | 2 | 3 | 4 | 5 | 6 | ... |
| Data in word | 0x1 | 0x2 | 0x3 | 0x4 | 0x5 | 0x6 | |
| Data | 0x20001 | | 0x40003 | | 0x60005 | | |

对地址类型改为 5x 的话,就会变成：

| | | | | | | | |
|--------------|---------|-----|---------|-----|---------|-----|-----|
| Address | 1 | 2 | 3 | 4 | 5 | 6 | ... |
| Data in word | 0x2 | 0x1 | 0x4 | 0x3 | 0x6 | 0x5 | |
| Data | 0x10002 | | 0x30004 | | 0x50006 | | |

Modbus RTU 功能码:

| | | |
|----------------|----------------------------|------------------------------|
| 0x | 0x01 Read coil | 0x05 Write single coil |
| 0x_multi_coils | 0x01 Read coil | 0x0f Write multiple coil |
| 1x | 0x02 Read discrete input | N/A for writing operation |
| 3x | 0x04 Read input register | N/A for writing operation |
| 4x | 0x03 Read holding register | 0x10 Write multiple register |
| 5x | 0x03 Read holding register | 0x10 Write multiple register |

(注意：仅双字符格式会变成颠倒排列)


3xbit 等同于 3x

4xbit 等同于 4x

| | | |
|----|----------------------------|----------------------------|
| 6x | 0x03 Read holding register | 0x06 write single register |
|----|----------------------------|----------------------------|

(注意：使用 6x 装置时仅限于单字元)

设定 Illustrations:

1. 到[系统参数设定]  , 点击 [新增...] 以增加一个新的装置 - Modbus RTU (0x 1x 范围 adjustable) , 如下图所示 :



2. 添加好新的 Modbus RTU (0x 1x 范围 Adjustable) driver 后, [新增地址范围限制...]按钮即可使用, 如下。使用者可以设定最大读取字数及最大写入字数。

- 最大读取字数(words) : 下拉选单至欲读取范围。

最大讀取字數 (words) : 1

- 最大写入字数(words) : 下拉选单至欲写入范围。

最大寫入字數 (words) : 1

注意 : 设定 [新增地址范围限制...] 时, 位地址不可为 16Bit 的倍数。

設備屬性

名稱：MODBUS RTU (0x/1x Range Adjustable)

HMI PLC

所在位置：本機 設定...

PLC 類型：MODBUS RTU (0x/1x Range Adjustable)
V.1.10, MODBUS_RTU_RANGE_ADJUST.so

PLC 介面：RS-485 2W

COM：COM1 (9600,E,8,1) 設定...

PLC 預設站號：LW-10000 (16bit) : var0

使用站號變數為預設站號

使用廣播命令

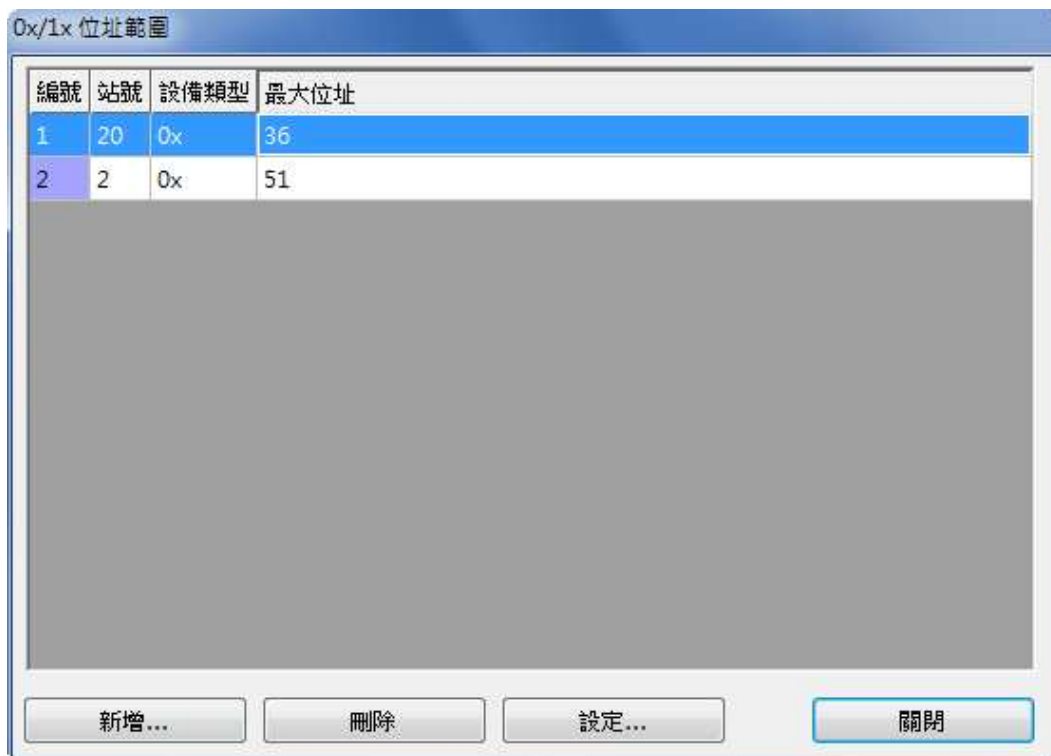
PLC 位址整段間隔 (words)：0 新增位址範圍限制...

最大讀取字數 (words)：1

最大寫入字數 (words)：1

確定 取消

3. 点击[新增地址范围限制...]，会跳出[0x/1x 地址范围]对话框，使用者可在此窗口中自行定义 0x 和 1x 地址范围。



新增：设定[站号]、[设备类型]、[最大地址]，点击[确定] 后完成新增。



刪除：则此选项会被删除。

設定：设定[站号] [设备类型]、[最大地址]，点击[确定] 后完成修改。

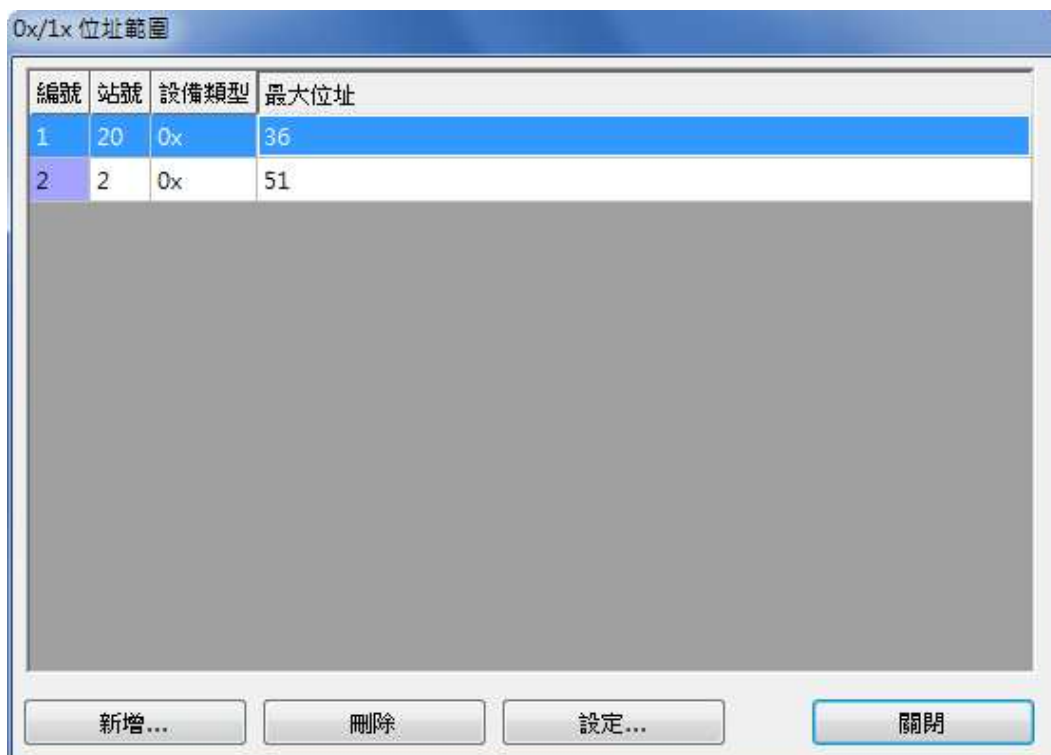


范例：

假设有 SCON D2 和 D8，在设定选项需根据不同 PLC 类型的最大位范围做设定。首先先设定站号和地址。

以 D2 为例，设定[站号]为 **20**，[设备类型] 为 **0x**，[最大地址] 为 **36**。

以 D8 为例，设定[站号]为 **2**，[设备类型] 为 **0x**，[最大地址] 为 **51**。







注意：若连接 2 个或 2 个以上的 PLC，点选[设备属性]中的[设定...]，将[通讯延时(毫秒)]设定为 4，如下图。





完成以上的设定后，使用者可与设备进行通讯。

接线图:
MODBUS RTU CONTROLLER : RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Female |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | TXD |
| 3 TX | 4 TX | 7 TX | RXD |
| 5 GND | 5 GND | 5 GND | GND |
| | | | RTS |
| | | | CTS |
| | | | circuit |
|  |  |  |  |



MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Female |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | TXD |
| 6 TX | | | RXD |
| 5 GND | | | GND |
| | | | RTS |
| | | | CTS |
| | | | circuit |
|  | | |  |



MODBUS RTU CONTROLLER : RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
|--------------------------------|--|--|---------------------------|
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

MT6050i/MT8050i




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Female |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

MODBUS RTU CONTROLLER : RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Female |
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Aug/25/2010 | |

MODBUS RTU (zero-based addressing)

支持系列：MODBUS RTU CONTROLLER

网站：<http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------------------------|-----------------|----|
| PLC 类型 | MODBUS RTU (zero-based addressing) | | |
| PLC 界面 | RS485 | RS232/RS485 | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 1 | 0-255 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | | |

PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | Modbus RTU protocol |
|------|---------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|---------|-------------|-------------------------|
| B | 0x | DDDDD | 0 ~ 65535 | Output bit |
| B | 1x | DDDDD | 0 ~ 65535 | Input bit (只读) |
| B | 3x_Bit | DDDDDdd | 0 ~ 6553515 | Input Register bit (只读) |
| B | 4x_Bit | DDDDDdd | 0 ~ 6553515 | Output Register bit |
| B | 0x_multi_coils | DDDDD | 0 ~ 65535 | Write multiple coils |
| W | 3x | DDDDD | 0 ~ 65535 | Input Register (只读) |
| W | 4x | DDDDD | 0 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 0 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 0 ~ 65535 | 4x single word write |

注意 :

地址类型“5x”代表 Hold Reg。在通讯协议中“5x”相当于“4x”，只是当为双字符时，“5x”的高字符和低字符的位置是颠倒的。

假设 4x 遵循以下信息 :

| | | | | | | | |
|--------------|---------|-----|---------|-----|---------|-----|-----|
| Address | 1 | 2 | 3 | 4 | 5 | 6 | ... |
| Data in word | 0x1 | 0x2 | 0x3 | 0x4 | 0x5 | 0x6 | |
| Data | 0x20001 | | 0x40003 | | 0x60005 | | |

对地址类型改为 5x 的话,就会变成 :

| | | | | | | | |
|--------------|---------|-----|---------|-----|---------|-----|-----|
| Address | 1 | 2 | 3 | 4 | 5 | 6 | ... |
| Data in word | 0x2 | 0x1 | 0x4 | 0x3 | 0x6 | 0x5 | |
| Data | 0x10002 | | 0x30004 | | 0x50006 | | |

Modbus RTU 功能码:

0x 0x01 Read coil

0x05 write single coil

0x_multi_coils 0x01 Read coil

0x0f write multiple coil

| | | | |
|----|------|-----------------------|------------------------------|
| 1x | 0x02 | Read discrete input | N/A for write operation |
| 3x | 0x04 | Read input register | N/A for write operation |
| 4x | 0x03 | Read holding register | 0x10 write multiple register |
| 5x | 0x03 | Read holding register | 0x10 write multiple register |

(注意：双字符格式会变成颠倒排列)

3xbit 等同于 3x





4xbit 等同于 4x

| | | | |
|----|------|-----------------------|----------------------------|
| 6x | 0x03 | Read holding register | 0x06 write single register |
|----|------|-----------------------|----------------------------|



(注意：使用 6x 装置时仅限于单字元)

接线图:
MODBUS RTU CONTROLLER : RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Female | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | TXD | |
| 3 TX | 4 TX | 7 TX | RXD | |
| 5 GND | 5 GND | 5 GND | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  |  |  |  | |


MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Female | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | TXD | |
| 6 TX | | | RXD | |
| 5 GND | | | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  | | |  | |



MODBUS RTU CONTROLLER : RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male | |
|--------------------------------|--|--|---------------------------|--|
| 1 RX- | | | TX- | |
| 2 RX+ | | | TX+ | |
| 3 TX- | | | RX- | |
| 4 TX+ | | | RX+ | |
| 5 GND | | | GND | |




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

MT6050i/MT8050i




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Female |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

MODBUS RTU CONTROLLER : RS485 2W

MT6000/8000 series except MT6050i/MT8050i

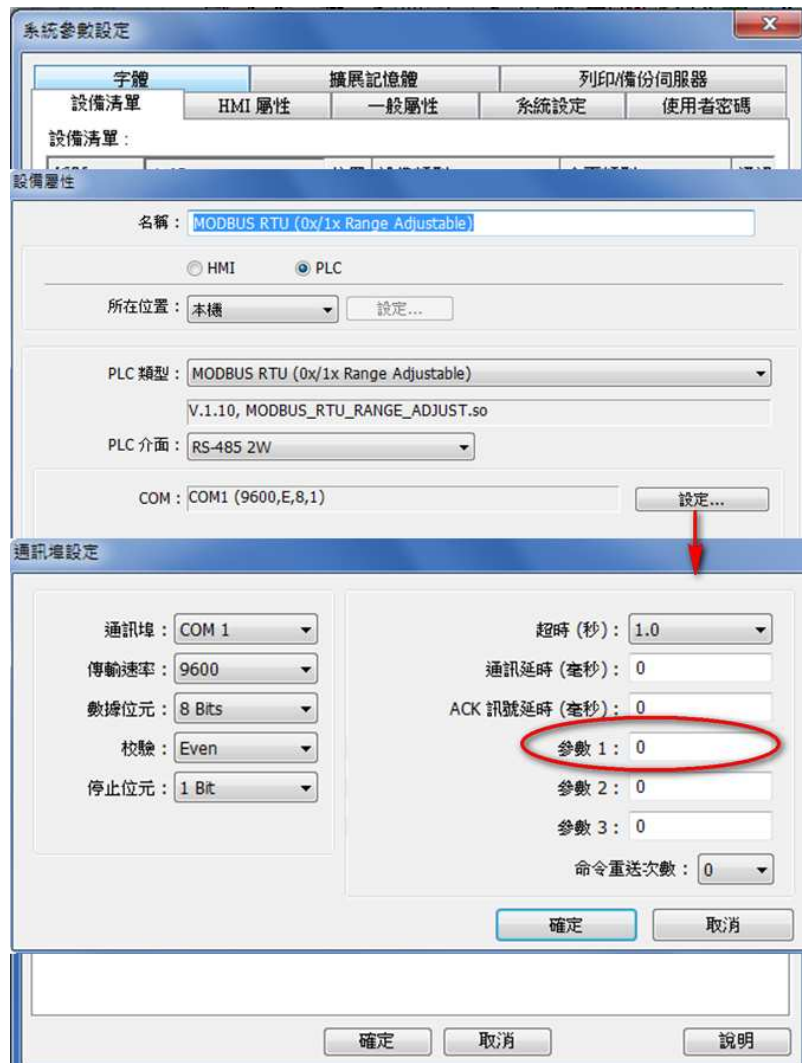
| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Female |
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

注意 : MODBUS RTU (adjustable) usage

使用者可自行定义在设定中参数 1 的地址范围。举例来说，当使用者在参数 1 中设定为 5，则地址范围会变成 5 ~ 65535。



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Aug/26/2009 | |

MODBUS Server (Modbus RTU Slave)

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------|-------------------------|-----------------------------------|
| PLC 类型 | MODBUS Server | | |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 9600 | 9600~115200 Ethernet | Ethernet 可选择使用 UDP 或 TCP/IP 协议 |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 1 | 1-31 | HMI Modbus 站号 |
| 连接埠 | | 502 | |

| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 扩展模式 | NO |
| 广播命令 | NO | | |

PLC 设定:

| | |
|------|---------------------|
| 通讯模式 | Modbus RTU protocol |
|------|---------------------|

Modbus Server UDP 协议设定:

MODBUS Server (Ethernet) 可以选择 UDP 通讯模式, 设定 UDP 模式的方式为进入软件[系统参数设定], 于[装置清单]中选择[新增], 于[PLC 类型]选择 “Modbus Server”, [PLC 接口]选择[以太网], 并勾选[使用 UDP(User Datagram Protocol)]即可完成设定。

設備屬性

名稱：MODBUS Server

HMI PLC

所在位置：本機 設定...

1. PLC 類型：MODBUS Server
V.1.00, MODBUS_SERVER.so

2. PLC 介面：乙太網路

IP：Port = 502 設定...

3. 使用 UDP (User Datagram Protocol)

站號：1

使用廣播命令

PLC 位址整段間隔 (words)：5
最大讀取字數 (words)：120
最大寫入字數 (words)：120

確定 取消

Modbus Server 的 Port No. 可由上图点选[设定]来修改 Port No.。

由于 Modbus Server Port No. 不能与 HMI Port No. 相同, 若是进入[设定]并输入和 HMI Port No. 相同的数值时, 会出现以下警示讯息, 请使用者重新设定 Modbus Server Port No.。



- 最多可以同时连接 64 台 Client
- Modbus Server Port No. 不能与 HMI Port No. 相同

Modbus Server TCP/IP 协议设定:

MODBUS Server (Ethernet) 可以使用 TCP/IP 通讯模式, 进入软件[系统参数设定], 于[装置清单]中选择[新增], 于[PLC 类型]选择 “Modbus Server”, [PLC 接口]选择[以太网络], 即完成设定。

設備屬性

名稱：MODBUS Server

HMI PLC

所在位置：本機

PLC 類型：MODBUS Server

V.1.00, MODBUS_SERVER.so

PLC 介面：乙太網路

IP：本機, 連接埠=8000(=HMI 連接埠)

使用 UDP (User Datagram Protocol)

站號：1

使用廣播命令

PLC 位址整段間隔 (words)：5

最大讀取字數 (words)：120

最大寫入字數 (words)：120

使用 Modbus Server TCP/IP 时, HMI 的连接埠即为 Modbus Server 的 Port No., 可由以下路径变更 Port No, 进入[系统参数设定]点选[HMI 属性]即可看到连接端口号的默认值为 8000, 使用者可由此处修改 Modbus Server 的连接埠。

系統參數設定

字體 擴展記憶體 列印/備份伺服器

設備清單 HMI 屬性 一般屬性 系統設定 使用者密碼

HMI 型號：MT6070iH/MT8070iH/MT6100i/MT8100i/WT3010 (800 x 480)

HMI 站號：0

連接埠：8000 (HMI 作為 MODBUS 裝置時所使用的連接埠)

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|--------|---------|------------------------------|
| B | LB | dddd | 0~9998 | Mapping to 0x/1x 1~9999 |
| W | LW | dddd | 0~9998 | Mapping to 3x/4x 1~9999 |
| W | RW | dddddd | 0~55536 | Mapping to 3x/4x 10000~65536 |

LB0 = 0x0001, LB1 = 0x0002, LW0 = 3x0001, LW1 = 3x0002

Modbus RTU 服务器不支持功能码 06(预设单一缓存器), 请使用功能码 16(0x10, 预设多个缓存器)。





Modbus Server 功能码:

| | | |
|----------------|----------------------------|------------------------------|
| 0x | 0x01 Read coil | 0x05 write single coil |
| 0x_multi_coils | 0x01 Read coil | 0x0f write multiple coil |
| 1x | 0x02 Read discrete input | N/A for write operation |
| 3x | 0x04 Read input register | N/A for write operation |
| 4x | 0x03 Read holding register | 0x10 write multiple register |



接线图:

MODBUS SERVER : RS232

MT6000/8000 series except MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Female | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | TXD | |
| 3 TX | 4 TX | 7 TX | RXD | |
| 5 GND | 5 GND | 5 GND | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  |  |  |  | |

MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Female |
| 9 RX | | | TXD |
| 6 TX | | | RXD |
| 5 GND | | | GND |
| | | | RTS |
| | | | CTS |
| | | | circuit |
|  | | |  |

MODBUS SERVER : RS485 4W

MT6000/8000 series except MT6050i/MT8050i




| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

MT6050i/MT8050i




| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Female |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

MODBUS SERVER : RS485 2W

MT6000/8000 series except MT6050i/MT8050i




| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i




| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Male |
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |

| | | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 8 BD3- | 棕 | 8 BD3- |
|  |  |  |

使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  |  |  |

注意：在 HMI 装置内设定一个以上的 Modbus server 不会产生任何作用。

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Dec/30/2008 | 发布驱动程序 |

MODBUS TCP/IP (Ethernet)

支持系列: Modbus RTU TCP/IP 设备.

网站: <http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------|-------|----|
| PLC 类型 | MODBUS TCP/IP (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 1 | 0~255 | |
| 连接埠 | 502 | | |


设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|---------|---------------|-------------------------|
| B | 0x | DDDDD | 1 ~ 65535 | Input bit |
| B | 1x | DDDDD | 1 ~ 65535 | Output bit |
| B | 3x_bit | DDDDDdd | 100 ~ 6553515 | Input Register bit (只读) |
| B | 4x_bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 6x_bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 0x_multi_coils | DDDDD | 1 ~ 65535 | Write multiple coils |
| W | 3x | DDDDD | 1 ~ 65535 | Input Register |
| W | 4x | DDDDD | 1 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 1 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 1 ~ 65535 | 4x single word write |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.50 | Aug/26/2009 | |

MODBUS TCP/IP (zero-based addressing)

支持系列：Modbus RTU TCP/IP 设备。

网站：<http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------------------|-------|----|
| PLC 类型 | MODBUS TCP/IP (zero-based addressing) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 1 | 0~255 | |
| 连接埠 | 502 | | |


设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|---------|-------------|-------------------------|
| B | 0x | DDDDD | 0 ~ 65535 | Input bit |
| B | 1x | DDDDD | 0 ~ 65535 | Output bit |
| B | 3x_Bit | DDDDDdd | 0 ~ 6553515 | Input Register bit (只读) |
| B | 4x_Bit | DDDDDdd | 0 ~ 6553515 | Output Register bit |
| B | 6x_Bit | DDDDDdd | 0 ~ 6553515 | Output Register bit |
| B | 0x_multi_coils | DDDDD | 0 ~ 65535 | Write multiple coils |
| W | 3x | DDDDD | 0 ~ 65535 | Input Register |
| W | 4x | DDDDD | 0 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 0 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 0 ~ 65535 | 4x single word write |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.40 | Aug/27/2009 | |

MODBUS TCP/IP 32Bit

支持系列: Modbus RTU TCP/IP 设备.

网站: <http://www.modbus.org>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------|-------|----|
| PLC 类型 | MODBUS TCP/IP 32Bit | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 1 | 0~255 | |
| 连接埠 | 502 | | |


设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|---------|---------------|--------------------------------|
| B | 0x | DDDDD | 1 ~ 65535 | Input bit |
| B | 1x | DDDDD | 1 ~ 65535 | Output bit |
| B | 3x_Bit | DDDDDdd | 100 ~ 6553515 | Input Register bit (read only) |
| B | 4x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 6x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 0x_multi_coils | DDDDD | 1 ~ 65535 | Write multiple coils |
| W | 3x | DDDDD | 1 ~ 65535 | Input Register |
| W | 4x | DDDDD | 1 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 1 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 1 ~ 65535 | 4x single word write |
| W | 4x_32Bit | DDDDD | 1 ~ 65535 | |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Aug/27/2009 | 发布驱动程序. |

Moeller XC-CPU101

支持系列: MOELLER XC100/200 series

网站: <http://www.moeller.net>

HMI 设定:





| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|------------|----|
| PLC 类型 | Moeller XC-CPU101 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 38400 | 4800~57600 | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| B | QX | DDo | 0 ~ 157 | |
| B | IX | DDo | 0 ~ 157 | |
| W | MW | DDDD | 0 ~ 4095 | |
| W | QW | DD | 0 ~ 15 | |
| W | IW | DD | 0 ~ 15 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P RJ45 Male |
| 2 RX | 6 RX | 8 RX | 5 TD |
| 3 TX | 4 TX | 7 TX | 8 RD |
| 5 GND | 5 GND | 5 GND | 4 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 8P RJ45 Male |
| 9 RX | | | 5 TD |
| 6 TX | | | 8 RD |
| 5 GND | | | 4 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|------|-------------|---------|
| 1.00 | Apr/01/2010 | 发布驱动程序. |

Modicon Twido

网站: <http://www.modicon.com/>

HMI 設定:

| 參數設定 | 推薦 | 選項 | 注釋 |
|--------|------------|-----------------|--------------------------------|
| PLC 類型 | Modbus RTU | | Support Extended Address mode. |
| PLC 界面 | RS485 | RS232/RS485 | |
| 傳輸速率 | 19200 | 19200 | |
| 校驗 | None | Even, Odd, None | |
| 數據位元 | 8 | 8 | Must set 8 for RTU mode |
| 停止位元 | 1 | 1 | Must set 8 for RTU mode |
| PLC 站號 | 1 | 0-247 | |

PLC 設定:



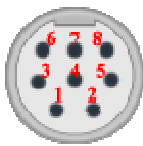
| | |
|------|-------------------|
| 通訊模式 | 19200, None, 8, 1 |
| 选择 | Modbus RTU Slave |

設備類型:




| Bit/Word | 設備類型 | 格式 | 範圍 | 注釋 |
|----------|----------|------|----------|------|
| B | 0x or 1x | dddd | 0 ~ 9999 | %Mi |
| W | 3x or 4x | dddd | 0 ~ 9999 | %MWi |

接線圖：
9P D-Sub to 8P Mini-DIN : RS485 2W

MT6000/8000 series except MT6050i/MT8050i



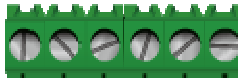
| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 8P Mini-DIN Male |
| 1 RX- | 6 Data- | | 2 B- |
| 2 RX+ | 9 Data+ | | 1 A+ |
| 5 GND | 5 GND | | 5 DTP |
| | | | 7 GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 8P Mini-DIN Male |
| 1 RX- | 7 Data- | | 2 B- |
| 2 RX+ | 8 Data+ | | 1 A+ |
| 5 GND | 5 GND | | 5 DTP |
| | | | 7 GND |
|  |  | |  |



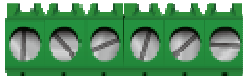
9P D-Sub to Terminal : RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 3P Terminal |
| 1 RX- | 6 Data- | | B- |
| 2 RX+ | 9 Data+ | | A+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |





MT6050i/MT8050i

| | | | |
|---------------|---------------|--|----------------------|
| COM1 RS485 2W | COM3 RS485 2W | | RS485 2W 3P Terminal |
|---------------|---------------|--|----------------------|



| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 9P D-Sub Female | 9P D-Sub Female | | |
| 1 RX- | 7 Data- | | B- |
| 2 RX+ | 8 Data+ | | A+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

9P D-Sub to 9P D-Sub : RS232

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Port2 RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TX |
| 3 TX | 4 TX | 7 TX | 2 RX |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | Port2 RS232 9P D-Sub Male |
| 9 RX | | | 3 TX |
| 6 TX | | | 2 RX |
| 5 GND | | | 5 GND |
|  | | |  |

OEMAX Series

支持系列: OEMax NX7/NX7s Controllers.

网站: <http://www.rsautomation.biz/>

HMI 设定:





| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------|--------------------|----|
| PLC 类型 | OEMAX Series | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 9600 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | | |

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|--------|------------|----------------------------|
| B | R | DDDdd | 0 ~ 25515 | |
| B | L | DDDdd | 0 ~ 25515 | |
| B | M | DDDDdd | 0 ~ 199915 | |
| B | K | DDDdd | 0 ~ 25515 | Keep contact |
| B | F | DDDdd | 0 ~ 99115 | Special contact |
| B | TC | DDD | 0 ~ 255 | Timer/Counter |
| W | W | DDDD | 0 ~ 7999 | Data register |
| W | SV | DDD | 0 ~ 255 | Timer/Counter Set Value |
| W | PV | DDD | 0 ~ 255 | Timer/Counter Preset Value |
| W | SR | DDD | 0 ~ 255 | Special register |
| W | WR | DDD | 0 ~ 255 | |
| W | WL | DDD | 0 ~ 255 | |
| W | WM | DDDD | 0 ~ 1999 | |
| W | WK | DDD | 0 ~ 255 | |
| W | WF | DDD | 0 ~ 991 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Port1 RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | Port1 RS232 9P D-Sub Male |
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Dec/30/2008 | 发布驱动程序. |

OMRON C/CQM1 Series

支持系列: OMRON C, CPM, CPL, CQM Series (Host Link Protocol)

网站: <http://oeiweb.omron.com/oei/Products-PLC.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------|---------------------|-----------------------|
| PLC 类型 | OMRON C/CQM1 Series | | |
| PLC 界面 | RS232 | RS232, RS422, RS485 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7 or 8 | |
| 停止位 | 2 | 1 or 2 | |
| PLC 站号 | 0 | 0-31 | Host Link Station No. |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | | |

PLC 设定:





| | |
|------|--------------------|
| 通讯模式 | Host Link protocol |
|------|--------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------------|--------|------------|------------------------|
| B | IR | DDDDdd | 0 ~ 409515 | I/O and internal Relay |
| B | HR | DDDDdd | 0 ~ 409515 | Hold Relay |
| B | LR | DDDDdd | 0 ~ 409515 | Link Relay |
| B | IR (Force Set/Reset) | DDDDdd | 0 ~ 409515 | |
| B | HR(Force Set/Reset) | DDDDdd | 0 ~ 409515 | |
| B | LR(Force Set/Reset) | DDDDdd | 0 ~ 409515 | |
| B | AR | DDDDdd | 0 ~ 409515 | Auxiliary Relay |
| W | AR_W | DDDD | 0 ~ 4095 | |
| W | IR_W | DDDD | 0 ~ 4095 | |
| W | HR_W | DDDD | 0 ~ 4095 | |
| W | LR_W | DDDD | 0 ~ 4095 | |
| W | TC | DDD | 0 ~ 255 | |
| W | DM | DDDD | 0 ~ 9999 | Data register |



接线图:
CPU Port (CPM2A,CQM1/1H,C200H/HS/ALPHA series)
Communication Module:
CPM1-CIF01 adapter (for CPM1/CPM1A/CPM2A series, CQM1/CQM1H series)
CPM1H-SCB41 communication module (for CQM1H-CPU51/61)

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 2 SD | |
| 3 TX | 4 TX | 7 TX | 3 RD | |
| 5 GND | 5 GND | 5 GND | 9 GND | |
| | | | 4 RS | circuit |
| | | | 5 CS | |
|  |  |  |  | |





MT6050i/MT8050i

| | | | |
|---------------|--|--|---------------------|
| COM1 RS232 9P | | | RS232 9P D-Sub Male |
|---------------|--|--|---------------------|



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| D-Sub Female | | | |
| 9 RX | | | 2 SD |
| 6 TX | | | 3 RD |
| 5 GND | | | 9 GND |
| | | | 4 RS |
| | | | 5 CS |
| | | | circuit |
|  | | |  |

C200h-LK201,3G2A6-LK201 communication module
C200HW-COM02/03/04/05/06 communication module

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 2 SD |
| 3 TX | 4 TX | 7 TX | 3 RD |
| 5 GND | 5 GND | 5 GND | 7 GND |
| | | | 4 RS |
| | | | 5 CS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 2 SD |
| 6 TX | | | 3 RD |
| 5 GND | | | 7 GND |
| | | | 4 RS |
| | | | 5 CS |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.80 | Apr/14/2010 | |

OMRON CJ/CS/CP

支持系列: OMRON CP1L, CP1H, CJ1M, CJ2M, CJ1H, CJ1G, CS1H and CS1G. (Host

Link Protocol FINS command), 此驱动支持扩展模式。

网站: <http://oeiweb.omron.com/oei/Products-PLC.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|---------------------|-----------------------|
| PLC 类型 | OMRON CJ/CS/CP | | |
| PLC 界面 | RS232 | RS232, RS422, RS485 | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7 or 8 | |
| 停止位 | 2 | 1 or 2 | |
| PLC 站号 | 0 | 0-31 | Host Link Station No. |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 扩展模式 | YES |
| 广播命令 | NO | | |

PLC 设定:

| | |
|------|--------------------|
| 通讯模式 | Host Link protocol |
|------|--------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|----------|-------------|----------------------|
| B | CIO_Bit | DDDDDDdd | 0 ~ 3276715 | Channel I/O (CIO) |
| B | W_Bit | DDDDDDdd | 0 ~ 3276715 | Work Area (WR) |
| B | H_Bit | DDDDDDdd | 0 ~ 3276715 | Holding Area (HR) |
| B | D_Bit | DDDDDDdd | 0 ~ 3276715 | Data Memory (DM) |
| B | A_Bit | DDDDDDdd | 0 ~ 3276715 | Auxiliary Relay (AR) |
| B | T_Bit | DDDDDDdd | 0 ~ 3276715 | Timer (TIM) |
| B | C_Bit | DDDDDDdd | 0 ~ 3276715 | Counter (CNT) |
| B | C_flag | DDDD | 0 ~ 4095 | |
| B | T_flag | DDDD | 0 ~ 4095 | |
| B | LR_Bit | DDDdd | 0 ~ 19915 | |
| W | T | DDDDD | 0 ~ 32767 | Timer (TIM) |
| W | H | DDDDD | 0 ~ 32767 | Holding Area (HR) |
| W | D | DDDDD | 0 ~ 32767 | Data Memory (DM) |
| W | A | DDDDD | 0 ~ 32767 | Auxiliary Relay (AR) |
| W | W | DDDDD | 0 ~ 32767 | Work Area (WR) |
| W | C | DDDDD | 0 ~ 32767 | Counter (CNT) |
| W | CIO | DDDDD | 0 ~ 32767 | Channel I/O (CIO) |
| W | EM0 ~ EMC | DDDDD | 0 ~ 32767 | Extend Memory |
| W | LR | DDD | 0 ~ 199 | |



接线图:

9P D-Sub to 9P D-Sub:

MT6000/8000 series except MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------|
| 2 RX | 6 RX | 8 RX | 2 SD |
| 3 TX | 4 TX | 7 TX | 3 RD |
| 5 GND | 5 GND | 5 GND | 9 GND |
| | | | 4 RS |
| | | | 5 CS |
| | | | circuit |


MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 2 SD |
| 6 TX | | | 3 RD |
| 5 GND | | | 9 GND |
| | | | 4 RS |
| | | | 5 CS |
| | | | circuit |
|  | | |  |

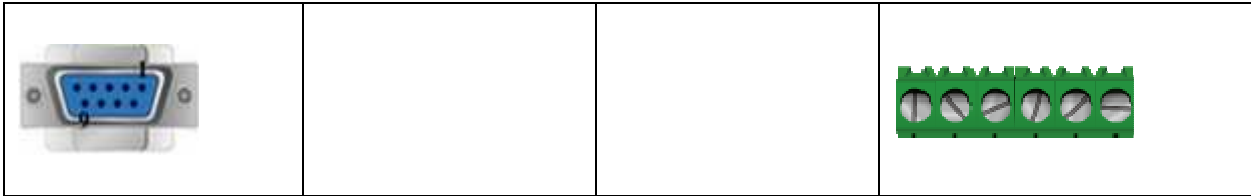
CP1H/CP1L CP1W-CIF11 RS485 4W : 9P D-Sub to Terminals:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | CP1W-CIF11 RS485 4W Terminal |
| 1 RX- | | | SDA |
| 2 RX+ | | | SDB |
| 3 TX- | | | RDA |
| 4 TX+ | | | RDB |
| 5 GND | | | FG |
|  | | |  |

MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|---------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | CP1W-CIF11 RS485 4W Terminal |
| 1 RX- | | | SDA |
| 2 RX+ | | | SDB |
| 3 TX- | | | RDA |
| 4 TX+ | | | RDB |
| 5 GND | | | FG |



CP1W-CIF11: SW1 ON, others OFF.

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------------------|
| V1.80 | Feb/01/2011 | 新增 LR, LR_Bit 地址类型 |

OMRON CJ1/CS1 (Ethernet)

支持系列: OMRON CJ1M, CJ1H, CJ1G, CS1H, and CS1G. (Ethernet FINS)

网站: <http://oeiweb.omron.com/oei/Products-PLC.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------|----|----|
| PLC 类型 | OMRON CJ1/CS1 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 9600 | | |
| PLC 站号 | 0 | | |

PLC 设定:

| | |
|------|------------------------|
| 通讯模式 | FINS Ethernet protocol |
|------|------------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|---------|---------|-------------|----------------------------------|
| B | CIO_Bit | DDDDDdd | 0 ~ 3276715 | Channel I/O (CIO) |
| B | W_Bit | DDDDDdd | 0 ~ 3276715 | Work Area (WR) |
| B | H_Bit | DDDDDdd | 0 ~ 3276715 | Holding Area (HR) |
| B | A_Bit | DDDDDdd | 0 ~ 3276715 | Auxiliary Relay (AR) (Read only) |
| B | D_Bit | DDDDDdd | 0 ~ 3276715 | Data Memory (DM) |
| B | T_Bit | DDDDDdd | 0 ~ 3276715 | Timer (TIM) |

| | | | | |
|---|-----------|--------|-------------|----------------------------------|
| B | C_Bit | DDDDdd | 0 ~ 3276715 | Counter (CNT) |
| B | C_Flag | DDDD | 0 ~ 4095 | |
| B | T_Flag | DDDD | 0 ~ 4095 | |
| W | CIO | DDDDD | 0 ~ 32767 | Channel I/O (CIO) |
| W | W | DDDDD | 0 ~ 32767 | Work Area (WR) |
| W | H | DDDDD | 0 ~ 32767 | Holding Area (HR) |
| W | A | DDDDD | 0 ~ 32767 | Auxiliary Relay (AR) (Read only) |
| W | C | DDDDD | 0 ~ 32767 | Counter (CNT) |
| W | T | DDDDD | 0 ~ 32767 | Timer (TIM) |
| W | D | DDDDD | 0 ~ 32767 | Data Memory (DM) |
| W | EM0 ~ EMC | DDDDD | 0 ~ 32767 | Extend Memory |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.50 | Jun/30/2010 | |

OMRON E5CN

支持系列: OMRON E5CN series temperature controller with communication 选项.

E5EN/CN/GN/EZ/ZN series.

网站: <http://oeiweb.omron.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------|-----------------------------------|----|
| PLC 类型 | OMRON E5CN | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | 9600/19200/38400/ 57600/115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7,8 | |
| 停止位 | 2 | 1,2 | |
| PLC 站号 | 0 | 0-99 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | | |

设备类型:




| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------------|----|--------|--------|
| B | Status_CH1 | DD | 0 ~ 31 | Page40 |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------------|------|----------|---------------------------------------|
| B | Status_CH2 | DD | 0 ~ 31 | |
| DW | C0 | HHHH | 0 ~ 270f | Read only (Hex) Page34 |
| DW | C1 | HHHH | 0 ~ 270f | Read/Write (Hex) Page35 |
| DW | C2 | HHHH | 0 ~ 270f | Read/Write (Hex) Page35 |
| DW | C3 | HHHH | 0 ~ 270f | Read/Write (Hex) Page36 |
| W | Code00_00 | H | 0 | Communications writing OFF (disabled) |
| W | Code00_01 | H | 0 | Communications writing ON(enabled) |
| W | Code01_00 | H | 0 | Run |
| W | Code01_01 | H | 0 | Stop |
| W | Code02_00 | H | 0 | Multi-SP Set point 0 |
| W | Code02_01 | H | 0 | Multi-SP Set point 1 |
| W | Code02_02 | H | 0 | Multi-SP Set point 2 |
| W | Code02_03 | H | 0 | Multi-SP Set point 3 |
| W | Code03_00 | H | 0 | AT cancel |
| W | Code03_01 | H | 0 | AT execute |
| W | Code04_00 | H | 0 | Write mode (Backup) |
| W | Code04_01 | H | 0 | Write mode (Ram) |
| W | Code05_00 | H | 0 | Save RAM data |
| W | Code06_00 | H | 0 | Software reset |
| W | Code07_00 | H | 0 | Move to setup area 1 |
| W | Code08_00 | H | 0 | Move to protect level |
| W | Code01_10 | H | 0 | |
| W | Code01_11 | H | 0 | |
| W | Code01_F0 | H | 0 | |
| W | Code01_F1 | H | 0 | |
| W | Code02_10 | H | 0 | |
| W | Code02_11 | H | 0 | |
| W | Code02_F0 | H | 0 | |
| W | Code02_F1 | H | 0 | |
| W | Code03_10 | H | 0 | |
| W | Code03_11 | H | 0 | |
| W | Code03_F0 | H | 0 | |
| W | Code03_F1 | H | 0 | |
| W | Code09_00 | H | 0 | |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|----|----|----|
| W | Code09_01 | H | 0 | |
| W | Code09_10 | H | 0 | |
| W | Code09_11 | H | 0 | |
| W | Code09_F0 | H | 0 | |
| W | Code09_F1 | H | 0 | |
| W | Code0A_00 | H | 0 | |
| W | Code0B_00 | H | 0 | |
| W | Code0C_00 | H | 0 | |
| W | Code0C_01 | H | 0 | |
| W | Code0C_02 | H | 0 | |
| W | Code0C_0F | H | 0 | |
| W | Code0C_10 | H | 0 | |
| W | Code0C_11 | H | 0 | |
| W | Code0C_12 | H | 0 | |
| W | Code0C_1F | H | 0 | |
| W | Code0C_F0 | H | 0 | |
| W | Code0C_F1 | H | 0 | |
| W | Code0C_F2 | H | 0 | |
| W | Code0C_FF | H | 0 | |




接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | OMRON E5CN Terminal |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | 12 B |
| 2 RX+ | 9 Data+ | | 11 A |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | OMRON E5CN Terminal |
|----------------------------------|----------------------------------|--|------------------------|
| 1 RX- | 7 Data- | | 12 B |
| 2 RX+ | 8 Data+ | | 11 A |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 5 GND | 5 GND | | GND |
|  |  | |  |

Note:

若要与 OMRON E5EZ 通讯，请将连接端口相关内容设定为 9600, E, 7, 2, 站号设为 1。

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.21 | Dec/21/2010 | |

Panasonic FP

支持系列: NAIS (Matsushita) FP series 包含 FP-X, FP-Σ, FP0, FP1, FP2, FP2SH,

FP10SH 以及 FP3 Ethernet 支持 FP-X with AFPX-COM5

网站:<http://pewa.panasonic.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------|-----------------------------------|--------------------------------------------------|
| PLC 类型 | Panasonic FP | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 9600 | 9600, 19200, 38400, 57600, 115200 | |
| 校验 | Odd | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | 0-255 | Must match the PLC's port 设定. FP3 must set 0. |

设备类型:




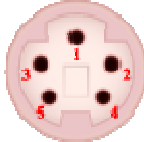
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|------------|
| B | X | DDDDh | 0 ~ 9999f | Input (X) |
| B | Y | DDDDh | 0 ~ 9999f | Output (Y) |

| | | | | |
|---|-------|-------|-----------|---------------------------------|
| B | R | DDDDh | 0 ~ 9999f | Internal Relay (R) |
| B | L | DDDD | 0 ~ 9999 | Link Relay (L) |
| B | L_Bit | DDDDh | 0 ~ 9999f | |
| B | T | DDDD | 0 ~ 9999 | Timer (T) |
| B | C | DDDD | 0 ~ 9999 | Counter (C) |
| W | SV | DDDD | 0 ~ 9999 | Timer/Counter set value (SV) |
| W | EV | DDDDD | 0 ~ 65535 | Timer/Counter elapse value (EV) |
| W | DT | DDDDD | 0 ~ 99999 | Data Register (DT) |
| W | LD | DDDD | 0 ~ 8447 | Link Register (LD) |
| W | WX | DDDD | 0 ~ 9999 | Input (WX) (只读) |
| W | WY | DDDD | 0 ~ 9999 | Output (WY) |
| W | WR | DDDD | 0 ~ 9999 | Internal Relay (WR) |
| W | WL | DDDD | 0 ~ 9999 | Link Relay (WL) |
| W | FL | DDDDD | 0 ~ 99999 | File register (FL) |

接线图:

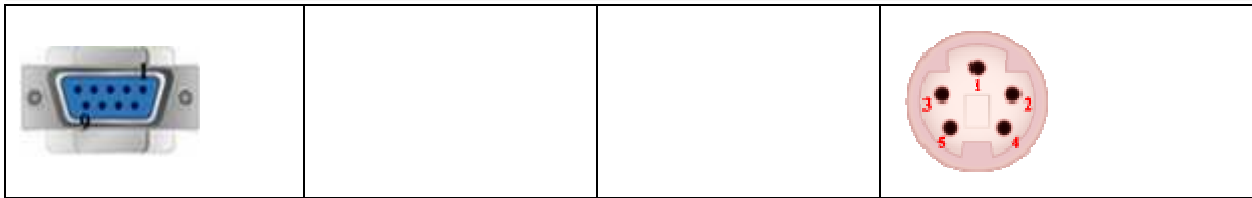
FP0, FP2, FP2SH, FPM CPU : 9P D-Sub to 5P Mini-DIN

MT6000/8000 series except MT6050i/MT8050i




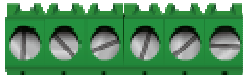
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 5P Mini-DIN Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 1 GND |
|  |  |  |  |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | RS232 5P Mini-DIN Male |
|-------------------------------|--|--|---------------------------|
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 1 GND |


FP0 CPU : 9P D-Sub to 3P Terminal:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 3P Terminal |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | S |
| 3 TX | 4 TX | 7 TX | R |
| 5 GND | 5 GND | 5 GND | G |
|  |  |  |  |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | RS232 3P Terminal |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | S |
| 6 TX | | | R |
| 5 GND | | | G |
|  | | |  |

FP1, FP2, FP2SH, FP10SH CPU : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i


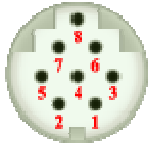
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-------------------------------|-------------------------------|-----------------------------|---------------------|---------|
| 2 RX | 6 RX | 8 RX | 2 TXD | |
| 3 TX | 4 TX | 7 TX | 3 RXD | |
| 5 GND | 5 GND | 5 GND | 7 GND | |
| | | | 4 RTS | circuit |
| | | | 5 CTS | |
| | | | 8 CD | circuit |
| | | | 9 ER | |


MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 7 GND |
| | | | 4 RTS |
| | | | 5 CTS |
| | | | 8 CD |
| | | | 9 ER |
| | | | circuit |
| | | | circuit |
|  | | |  |


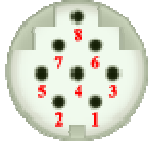
FP1 CPU : 9P D-Sub to 8P MiniDIN

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 8P Hirose Male |
| 1 RX- | | | 2 TXDA |
| 2 RX+ | | | 5 TXDB |
| 3 TX- | | | 3 RXDA |
| 4 TX+ | | | 6 RXDB |
| 5 GND | | | 1 GND |
|  | | |  |



MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|----------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 8P Hirose Male |
| 1 RX- | | | 2 TXDA |
| 2 RX+ | | | 5 TXDB |
| 3 TX- | | | 3 RXDA |
| 4 TX+ | | | 6 RXDB |
| 5 GND | | | 1 GND |



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

FP3 CPU : 9P D-Sub to 15P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 15P D-Sub Male |
| 1 RX- | | | 9 TXDA |
| 2 RX+ | | | 2 TXDB |
| 3 TX- | | | 10 RXDA |
| 4 TX+ | | | 3 RXDB |
| 5 GND | | | 7 GND |
| | | | 4 RTS+ |
| | | | 5 CTS+ |
| | | | circuit |
| | | | 11 RTS- |
| | | | 12 CTS- |
| | | | circuit |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 15P D-Sub Male |
| 1 RX- | | | 9 TXDA |
| 2 RX+ | | | 2 TXDB |
| 3 TX- | | | 10 RXDA |
| 4 TX+ | | | 3 RXDB |
| 5 GND | | | 7 GND |
| | | | 4 RTS+ |
| | | | 5 CTS+ |
| | | | circuit |
| | | | 11 RTS- |
| | | | 12 CTS- |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|------------|
| V1.80 | Apr/09/2010 | 新增 FL 设备类型 |

Panasonic FP (Ethernet)

支持系列: NAIS (Matsushita) FP series 包含 FP-X, FP-Σ, FP0, FP1, FP2, FP2SH,

FP10SH 以及 FP3 Ethernet 支持 FP-X with AFPX-COM5

网站: <http://pewa.panasonic.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------|-------|----|
| PLC 类型 | Panasonic FP (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 9094 | | |
| PLC 站号 | 1 | 0~255 | |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|-----------|---------------------------------|
| B | X | DDDDh | 0 ~ 9999f | Input (X) |
| B | Y | DDDDh | 0 ~ 9999f | Output (Y) |
| B | R | DDDDh | 0 ~ 9999f | Internal Relay (R) |
| B | L | DDDD | 0 ~ 9999 | Link Relay (L) |
| B | L_Bit | DDDDh | 0 ~ 9999f | |
| B | T | DDDD | 0 ~ 9999 | Timer (T) |
| B | C | DDDD | 0 ~ 9999 | Counter (C) |
| W | SV | DDDD | 0 ~ 9999 | Timer/Counter set value (SV) |
| W | EV | DDDDD | 0 ~ 65535 | Timer/Counter elapse value (EV) |
| W | DT | DDDDD | 0 ~ 99999 | Data Register (DT) |

| | | | | |
|---|----|-------|-----------|---------------------|
| W | LD | DDDD | 0 ~ 8447 | Link Register (LD) |
| W | WX | DDDD | 0 ~ 9999 | Input (WX) (只读) |
| W | WY | DDDD | 0 ~ 9999 | Output (WY) |
| W | WR | DDDD | 0 ~ 9999 | Internal Relay (WR) |
| W | WL | DDDD | 0 ~ 9999 | Link Relay (WL) |
| W | FL | DDDDD | 0 ~ 99999 | File register (FL) |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



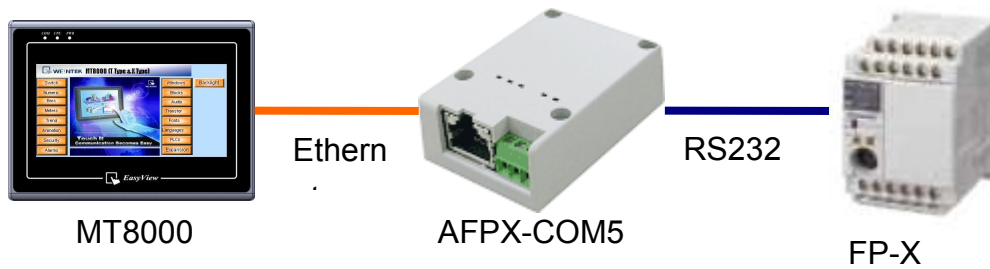
使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|----|-------------|
|-------------|----|-------------|

| | | |
|--------|-----|--------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |

Ethernet connect

TCP port: 9094



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.80 | Apr/12/2010 | |

Panasonic FP2 (Ethernet)

支持系列: NAIS (Matsushita) FP2 series 包含 FP2, FP2SH, 以及 FP10SH CPU.

网站: <http://pewa.panasonic.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------|-------|----|
| PLC 类型 | Panasonic FP2 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 8500 | | |
| PLC 站号 | 2 | 0~255 | |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|-----------|---------------------------------|
| B | X | DDDDh | 0 ~ 9999f | Input (X) |
| B | Y | DDDDh | 0 ~ 9999f | Output (Y) |
| B | R | DDDDh | 0 ~ 9999f | Internal Relay (R) |
| B | L | DDDD | 0 ~ 9999 | Link Relay (L) |
| B | L_Bit | DDDDh | 0 ~ 9999f | |
| B | T | DDDD | 0 ~ 9999 | Timer (T) |
| B | C | DDDD | 0 ~ 9999 | Counter (C) |
| W | SV | DDDD | 0 ~ 9999 | Timer/Counter set value (SV) |
| W | EV | DDDDD | 0 ~ 65535 | Timer/Counter elapse value (EV) |
| W | DT | DDDDD | 0 ~ 99999 | Data Register (DT) |
| W | LD | DDDD | 0 ~ 8447 | Link Register (LD) |

| | | | | |
|---|----|------|----------|---------------------|
| W | WX | DDDD | 0 ~ 9999 | Input (WX) (只读) |
| W | WY | DDDD | 0 ~ 9999 | Output (WY) |
| W | WR | DDDD | 0 ~ 9999 | Internal Relay (WR) |
| W | WL | DDDD | 0 ~ 9999 | Link Relay (WL) |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Mar/11/2010 | 发布驱动程序. |

Panasonic MINAS A4

支持系列: Panasonic MINAS A4 series Servo Drive.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|----------|-------------------------|---------------|----|
| PLC 类型 | Panasonic MINAS A4 | | |
| PLC 界面 | RS232 | | |
| Axis no. | 0 (master station only) | 0 ~ F (slave) | |
| 传输速率 | 9600 | | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------------|----|--------|----------------------------------------|
| B | Command 20 | D | 0 ~ 7 | States (Note 3) |
| B | Command 27 | DD | 0 ~ 31 | Input Signal (Note 3) |
| B | Command 28 | DD | 0 ~ 31 | Output Signal (Note 3) |
| W | Command 01 | D | 0 | CPU 版本 (Numeric 格式:16-bit Hex) |
| W | Command 05 | DD | 0 ~ 11 | 驱动版本 (ASCII / 12 words) |
| W | Command 06 | DD | 0 ~ 11 | Motor 版本 (ASCII / 12 words) |

| | | | | |
|---|------------|----|--------|----------------------------------------------------------|
| W | Command 21 | D | 0 ~ 1 | command pulse counter (Numeric 格式: 32-bit Signed) |
| W | Command 22 | D | 0 ~ 1 | feedback pulse counter (Numeric 格式: 32-bit Signed) |
| W | Command 24 | D | 0 | present speed (Numeric 格式: 16-bit Unsigned) |
| W | Command 25 | D | 0 | present torque (Numeric 格式: 16-bit Unsigned) |
| W | Command 26 | D | 0 ~ 1 | present deviation counter (Numeric 格式: 32-bit Signed) |
| W | Command 84 | D | 0 | write parameter to EEPROM (Note 1) |
| W | Command 90 | D | 0 | present Alarm Data (Numeric 格式: 16-bit Unsigned) |
| W | Command 91 | DD | 1 ~ 14 | Alarm History (Note 4) (Numeric 格式: 16-bit Unsigned) |
| W | Command 92 | DD | 1 ~ 14 | Batch Alarm (Note 4) (Numeric 格式: 16-bit Unsigned) |
| W | Command 93 | D | 0 | clear alarm history (include EEPROM) (Note 1) |
| W | Command 94 | D | 0 | Alarm Clear (Note 1) |
| W | Command 9B | D | 0 | Absolute Clear (Note 1) |
| W | Parameter | HH | 0 ~ 7f | Individual Parameter (范围: 0x00 ~ 0x7F) (Note 2) |

Note:

1. Command 84, Command 93, Command 94, 及 Command 9B 只能写 (这些命令可使用位设定对象并在触发该对象后执行写的命令)。除了这四个命令之外,其它命令为只读。

2. Parameter 读/写: 使用设备类型来定义地址控制, 范围: 00~7F。

例如: “address_00” 对应到 “Parameter_00”(细节请参照 Panasonic MINAS A4 series 使用手册)。

3. 设备类型可用来定义 MINAS A4 Driver 的 command 列表。

Command 20, Command 27, 及 Command 28 是 Bit 型态, 使用 “Operating range” 来对应通讯状态。

例如: “Command 20_3” 意即 “Read state_CCW”。

(细节请参照 Panasonic MINAS A4 series 使用手册)

4. Command 91 及 Command 92 为 Word 型态, 使用 “Operating range” 来对应 14 个 alarm 的记录。

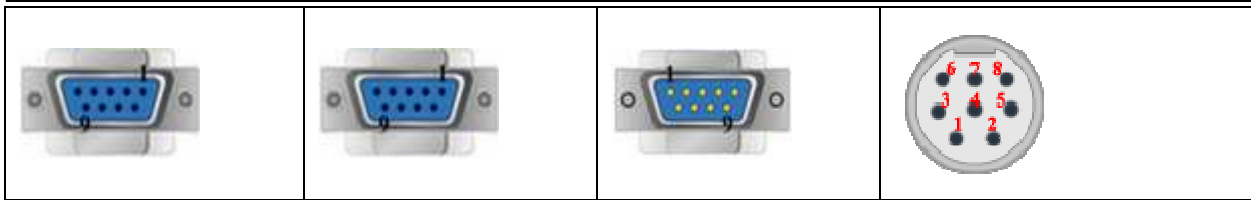
例如: “Command 91_1” 意即 “Read alarm data_First alarm”。



接线图:

MINAS A4 Driver CNX4 Port

MT6000/8000 series except MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P Mini-DIN Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 5 RXD |
| 5 GND | 5 GND | 5 GND | 4 GND |


MT6050i/MT8050i




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 8P Mini-DIN Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 5 RXD |
| 5 GND | | | 4 GND |
|  | | |  |

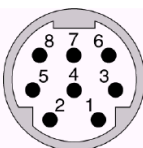
MINAS A4 Driver CNX3/CNX4 Port

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 8P Mini-DIN Male |
| 1 RX- | 6 Data- | | 7 D- |
| 2 RX+ | 9 Data+ | | 8 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 8P Mini-DIN Male |
| 1 RX- | 7 Data- | | 7 D- |
| 2 RX+ | 8 Data+ | | 8 D+ |
| 5 GND | 5 GND | | |
|  |  | |  |

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|
|  <p>8P Mini-Din 母头 MINAS A4 Driver CNX3 / CNX4 Port</p> | MINAS A4 Driver CNX3 Port | MINAS A4 Driver CNX4 Port |
| | 7 D- | 3 TX |
| | 8 D+ | 5 RX |
| | 4 GND | 4 GND |
| | | 7 D- 8 D+ |

RS485 cable / DVOP1970-005

| | | |
|-----------------------------------|----|-----------------------------------|
| MINAS A4 Driver 8p Mini-DIN 公头 | | MINAS A4 Driver 8p Mini-DIN 公头 |
| 7 D- | —— | 7 D- |
| 8 D+ | —— | 8 D+ |
| 4 GND | —— | 4 GND |

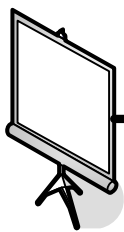
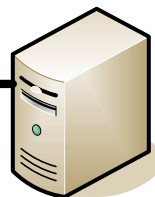
RS232 cable / DVOP1960

| | | |
|--------------------------------|----|-----------------------------------|
| MINAS A4 Driver 9P D-SUB 母头 | | MINAS A4 Driver 8p Mini-DIN 公头 |
| 3 RXD | —— | 5 RXD |
| 2 TXD | —— | 3 TXD |
| 5 GND | —— | 4 GND |

HMI 连接单一设备:

Weintek HMI

Com RS232

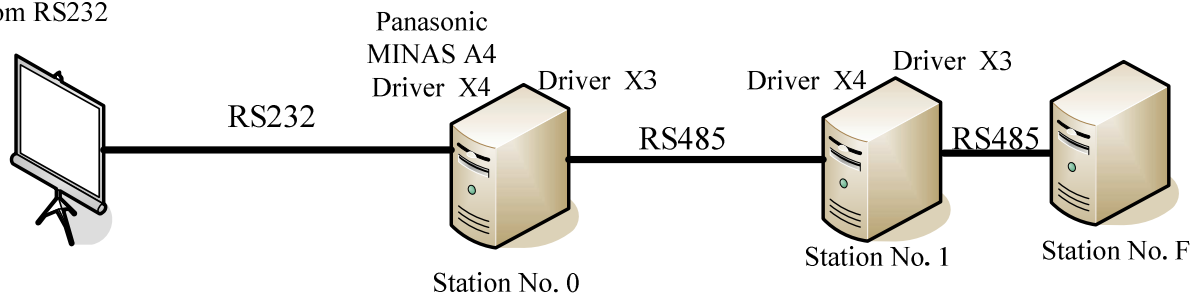

 Panasonic
MINAS A4
Driver X4


Station No. 0

HMI 连接多个设备:

Weintek HMI

Com RS232



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Jan/11/2010 | |

Parker ACR9000

支持系列: Parker ACR9000.

网站: <http://www.parkermotion.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|------------------|----|
| PLC 类型 | Parker ACR9000 | | |
| PLC 界面 | RS232 | RS485 4W / RS232 | |
| 传输速率 | 38400 | 1200 - 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 0 | | |

| | | | |
|------|-----|------|--|
| 在线仿真 | YES | 扩展模式 | |
|------|-----|------|--|





设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------------|----------|-------------|----|
| B | P_Low16bit | DDDDDDdd | 0 ~ 9999915 | |
| B | P_High16bit | DDDDDDdd | 0 ~ 9999915 | |
| W | P_Int32 | DDDDDD | 0 ~ 99999 | |



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|---------|-------|-----------|----|
| W | P_Float | DDDDD | 0 ~ 99999 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Parker AC9000 RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | Parker AC9000 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Dec/30/2008 | 发布驱动程序. |

Parker Compax3

支持系列: Parker Compax3 Servo Drive.

网站: <http://www.parker.com>

HMI 设定:

RS232

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-----------------|---------------------|
| PLC 类型 | Parker Compax3 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 115200 | | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 0 | 0 | Must be 0 for RS232 |

RS485

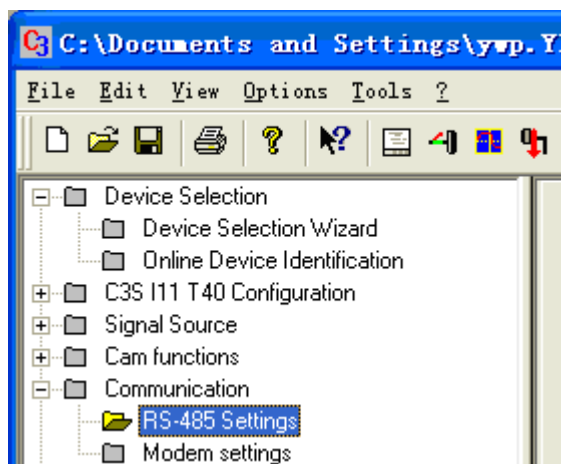
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|----|----|
| PLC 类型 | Parker Compax3 | | |
| PLC 界面 | RS485 2W | | |

| | | | |
|--------|------|-----------------|-------------------------------------------------------|
| 传输速率 | 9600 | | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 1 | 1-99 | 范围 from 1 to 99 for RS485, according to the PLC's 设定. |

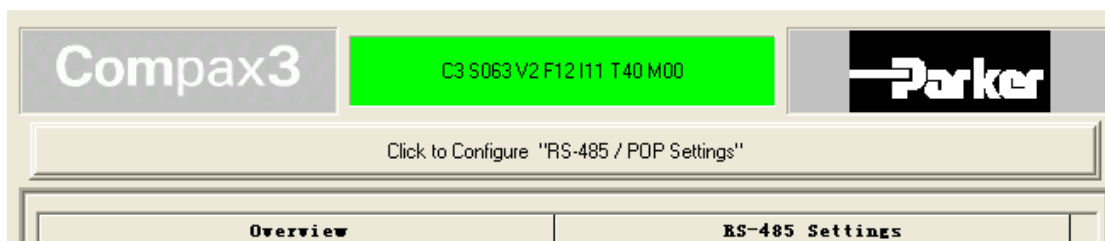
PLC 设定:

如何将 Compax 3 servo 设定为 RS485 模式?

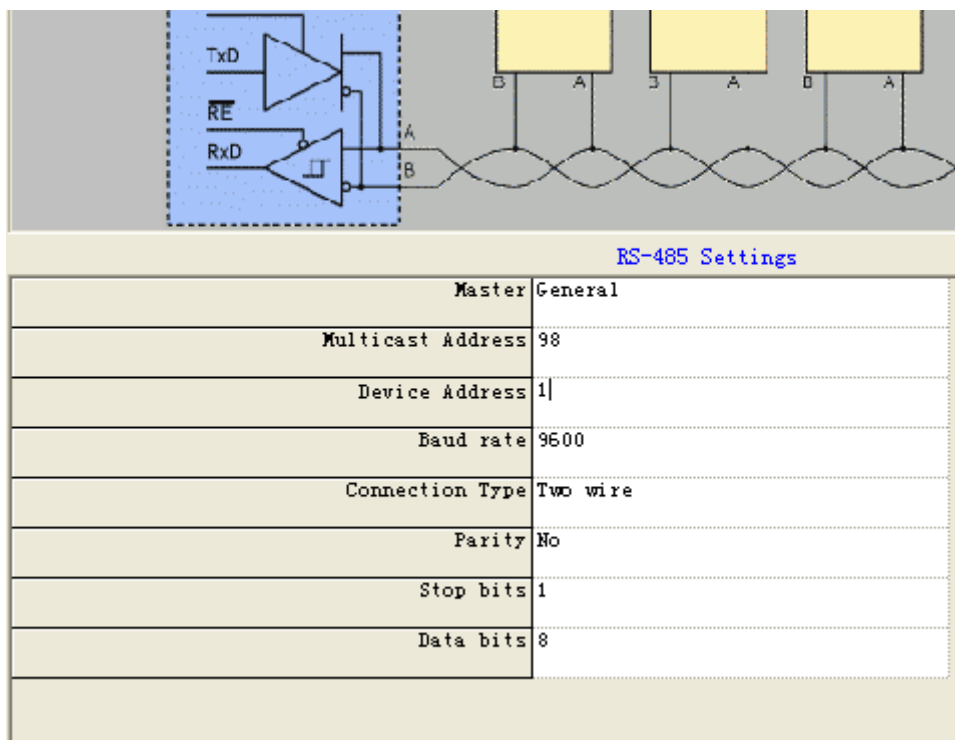
1. 开启 C3 ServoManager2, 选择 “Communication” => “RS-485 设定 s”。



2. 点击 “Click to Configure RS-485/POP 设定 s” 开始设定。



3. 请参照下列设定参数:



RS-485 Settings

| Master General | |
|-------------------|----------|
| Multicast Address | 98 |
| Device Address | 1 |
| Baud rate | 9600 |
| Connection Type | Two wire |
| Parity | No |
| Stop bits | 1 |
| Data bits | 8 |

4. 下载设定至 Compax3 Servo





5. 设定 EasyBuilder 系统参数并连接 PLC 来与 HMI 及 Servo 通讯。

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|-----------|---------------|-------------------------|
| B | R_Low16bit | DDDDDDDDh | 0 ~ 99999999f | |
| B | R_High16bit | DDDDDDDDh | 0 ~ 99999999f | |
| DW | Register_Int | DDDDDD | 0 ~ 999999 | For Register INT32, U32 |
| DW | Register_float | DDDDDD | 0 ~ 999999 | For Register INT32, U32 |
| W | Register_Short | DDDDDD | 0 ~ 999999 | For Register INT16, U16 |

接线图：
Parker Compax3 PLC X10 : RS232

MT6000/8000 series except MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i




| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

Parker Compax3 PLC X10 : RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | 3 RXD |
| 2 RX+ | 9 Data+ | | 7 TXD |
| 5 GND | 5 GND | | 5 GND |
| | | | 1 nable RS485 9 +5V |
| | | | circuit |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Male |
| 1 RX- | 7 Data- | | 3 RXD |
| 2 RX+ | 8 Data+ | | 7 TXD |
| 5 GND | 5 GND | | 5 GND |
| | | | 1 nable RS485 9 +5V |
| | | | circuit |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.70 | Mar/30/2009 | |

Parker SLVD Series

支持系列: Parker SLVD Servo, SLVD1N, SLVD2N, SLVD5N, SLVD7N, SLVD10N, SLVD15N, SLVD17N.

网站: <http://www.parker.com/portal/site/PARKER/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|-----------------|------|
| PLC 类型 | Parker SLVD Series | | |
| PLC 界面 | RS485 4W | | |
| 传输速率 | 9600 | 9600/19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1,2 | |
| PLC 站号 | 0 | | 0-31 |

| | | | |
|------|-----|------|--|
| 在线仿真 | YES | 扩展模式 | |
|------|-----|------|--|



设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------------|--------|------------|-----------|
| B | Par_Binary | DDDDdd | 0 ~ 999915 | 设定 bit 参数 |



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------------|------|----------|---------------|
| W | Par_One_Word | DDDD | 0 ~ 9999 | 设定 2 bytes 参数 |
| DW | Par_Two_Word | DDDD | 0 ~ 9999 | 设定 4 bytes 参数 |
| W | Par_One_Byte | DDDD | 0 ~ 9999 | 设定 1 byte 参数 |
| W | RESET | D | 0 | |
| W | RUN | D | 0 | |

接线图:
Parker SLVD Servo Serial Link X1

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 15P D-Sub Male |
| 1 RX- | | | 7 TX- |
| 2 RX+ | | | 12 TX+ |
| 3 TX- | | | 2 RX- |
| 4 TX+ | | | 1 RX+ |
| | | | 6 TER |
| | | | circuit |
| 5 GND | | | 3 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 15P D-Sub Male |
| 1 RX- | | | 7 TX- |
| 2 RX+ | | | 12 TX+ |
| 3 TX- | | | 2 RX- |
| 4 TX+ | | | 1 RX+ |
| | | | 6 TER |
| | | | circuit |
| 5 GND | | | 3 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Jan/27/2010 | 发布驱动程序. |

SAIA PCD PGU Mode

支持系列: SAIA PCD series PGU mode.

网站:<http://www.saia-burgess.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|-----------------|------------|
| PLC 类型 | SAIA PCD PGU Mode | | PDS driver |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7,8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 1 | 0-255 | |



设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------|------|----------|----|
| B | Flag | DDDD | 0 ~ 8191 | |
| B | Output | DDD | 0 ~ 511 | |
| B | Input | DDD | 0 ~ 511 | |
| W | Register | DDDD | 0 ~ 4095 | |
| W | Counter | DDDD | 0 ~ 1599 | |

| | | | | |
|---|-----------|------|----------|----------------------------|
| W | Timer | DDDD | 0 ~ 1599 | |
| W | Reg_Float | DDDD | 0 ~ 4095 | support single float point |
| W | Reg_Word | DDDD | 0 ~ 4095 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 2 RX | | | 3 TXD |
| 3 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
| 7 RTS | | | 6 DSR |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | circuit |
|  | | |  |

6 DSR (Of PGU Port): PGU connected.

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.02 | Dec/30/2008 | |

SAIA PCD S-BUS Mode

支持系列: SAIA PCD series S-Bus mode.

网站: <http://www.saia-burgess.com/>

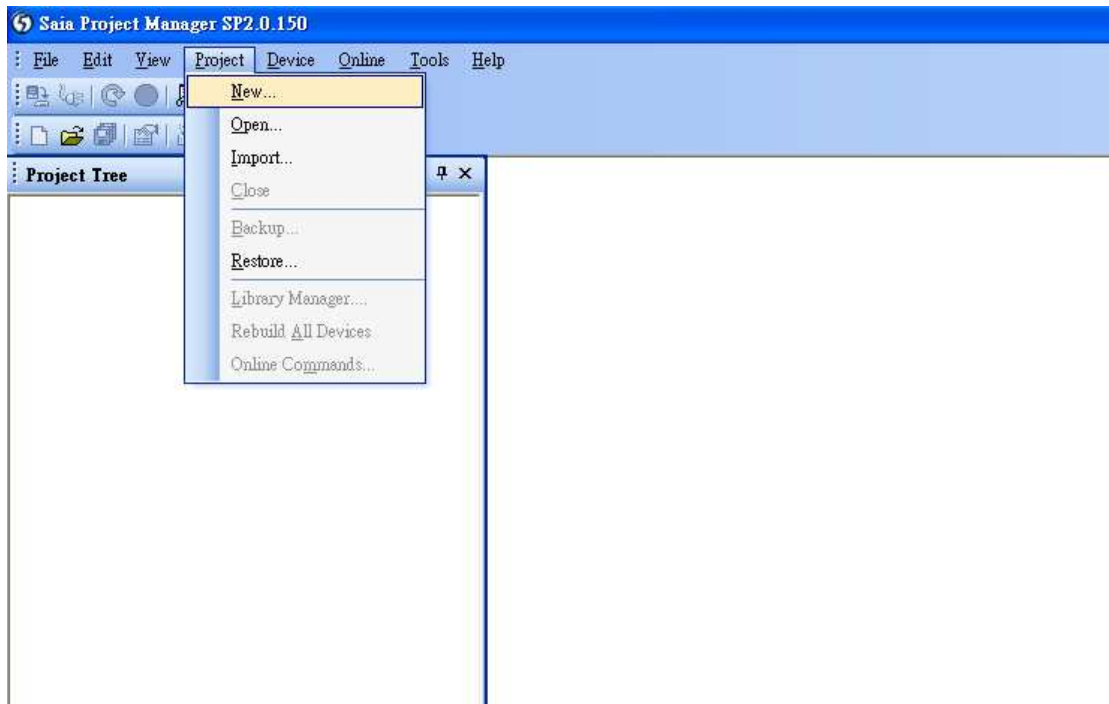
HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------|--------------------|------------|
| PLC 类型 | SAIA PCD S-BUS Mode | | PDS driver |
| PLC 界面 | RS232 | RS232, RS485 | |
| 传输速率 | 9600 | 9600, 19200, 38400 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 0-255 | |

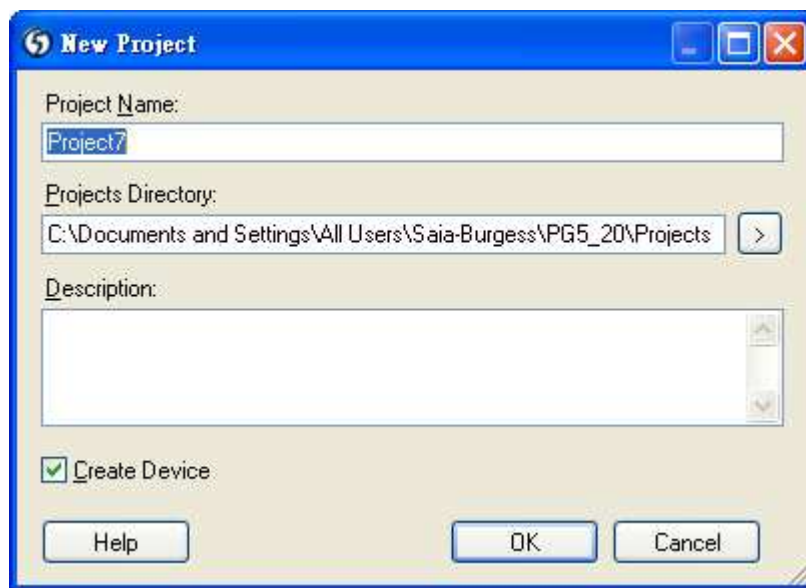
PLC 设定:

| | |
|----------|----------------------------------------|
| 通讯模式 | 9600,N,8,1 (default) |
| RS232 | Port 0-类型: RS232 |
| RS485 2W | S-BUS Mode: Data(S2), Port 1-类型: RS485 |

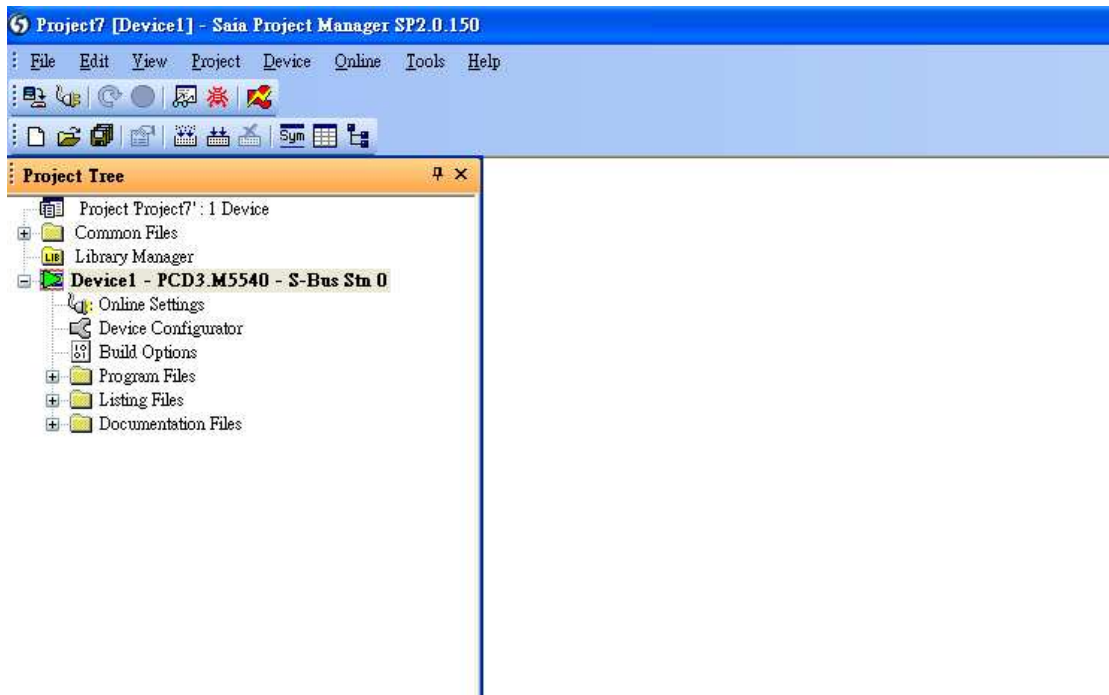
甲、开启 Saia Project Manager SP2.0.150 并建立一个新工程档案。



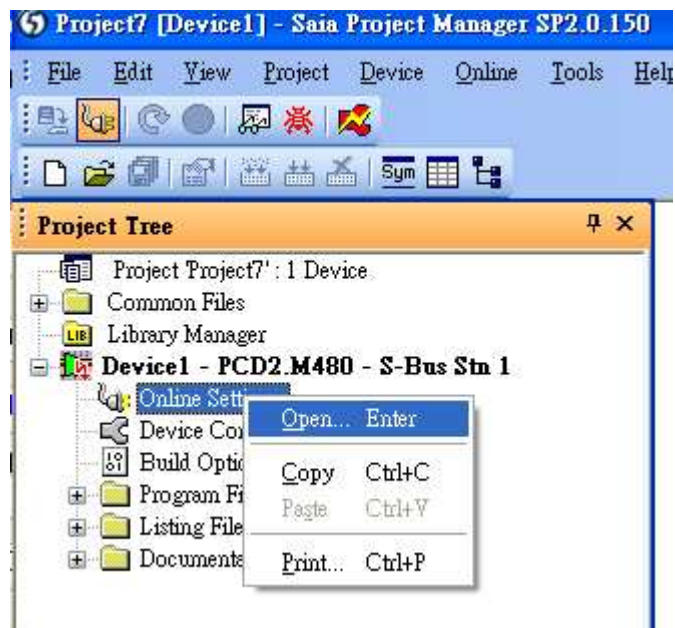
乙、自订一个工程文件名称。



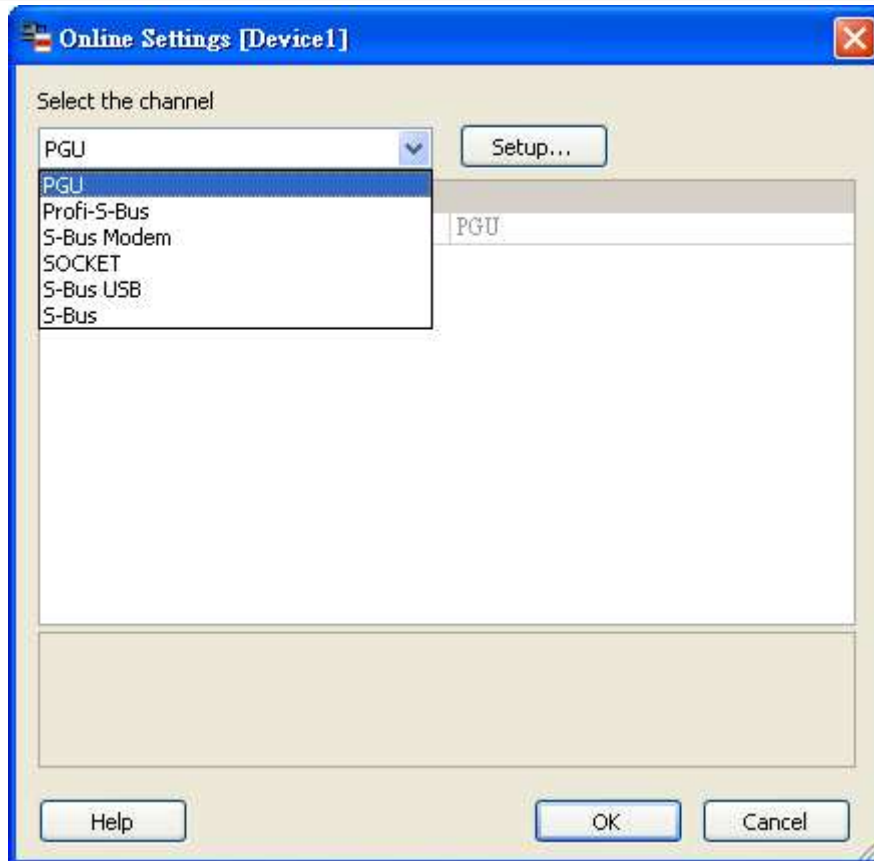
丙、参照下图所示建立新工程档案：



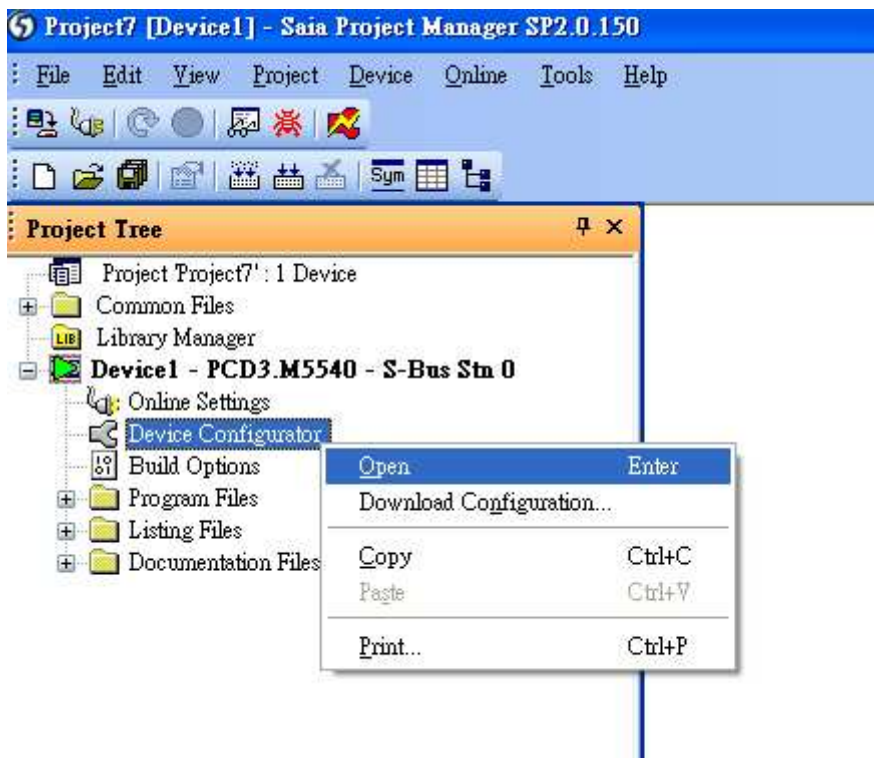
丁、点击 Online 设定



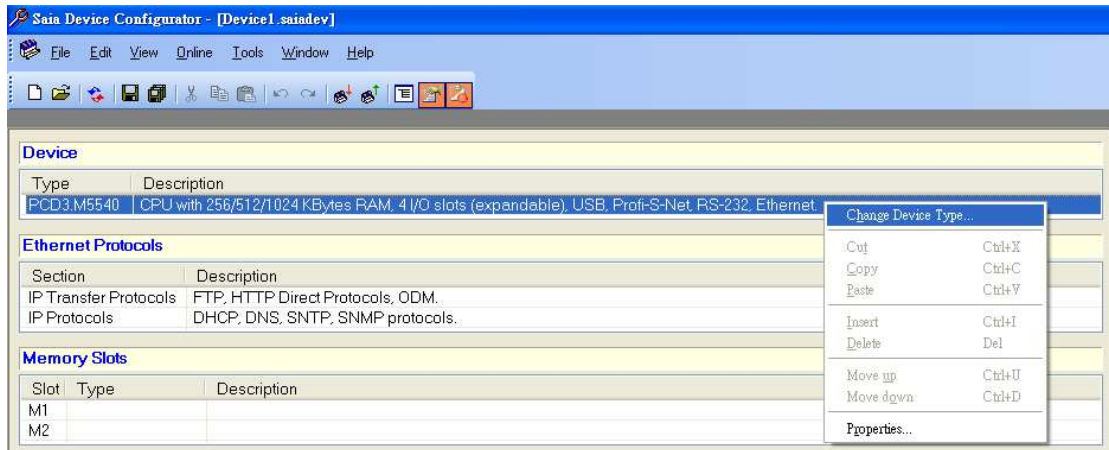
戊、选择 PGU



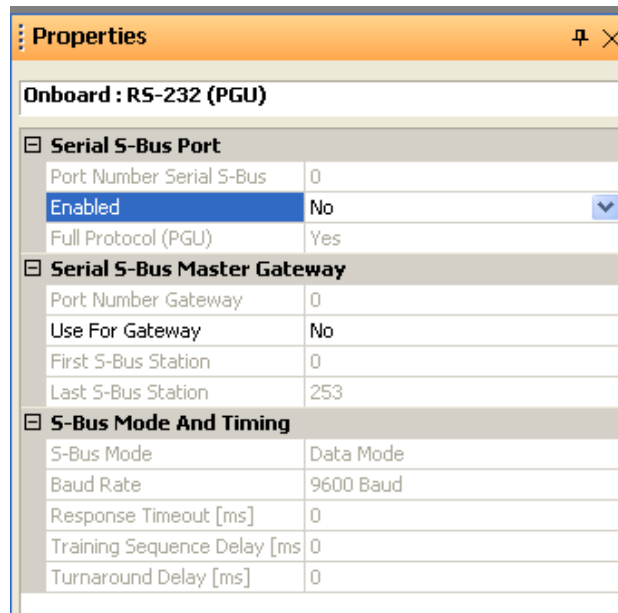
己、点击“设备 Configurator”



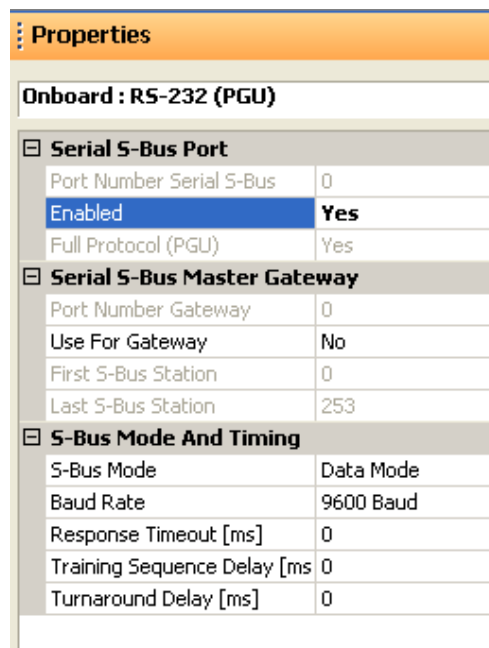
庚、点击 “Change 设备 类型” 来选择欲使用的 PLC 型号。



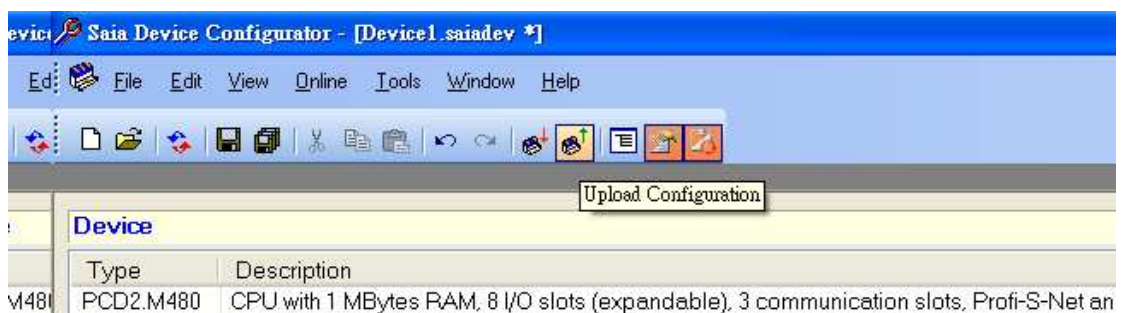
辛、设备型态选择 RS232 (PGU) 并在 Onboard Communications 点击鼠标右键并选择 “Properties”。

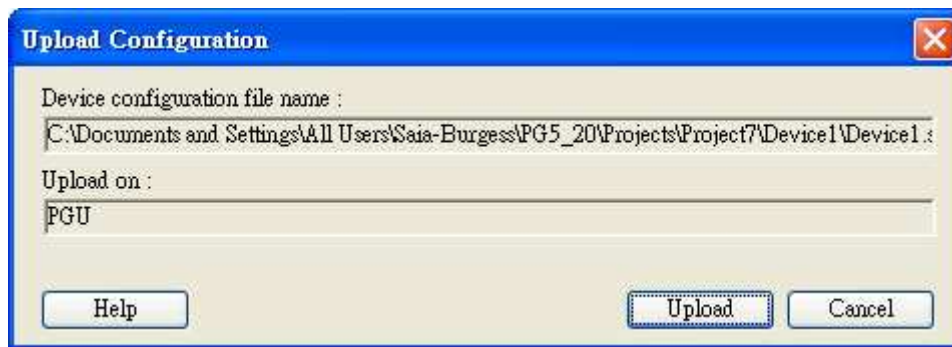


壬、在 Series S-Bus Port: Enabled 选择 Yes。

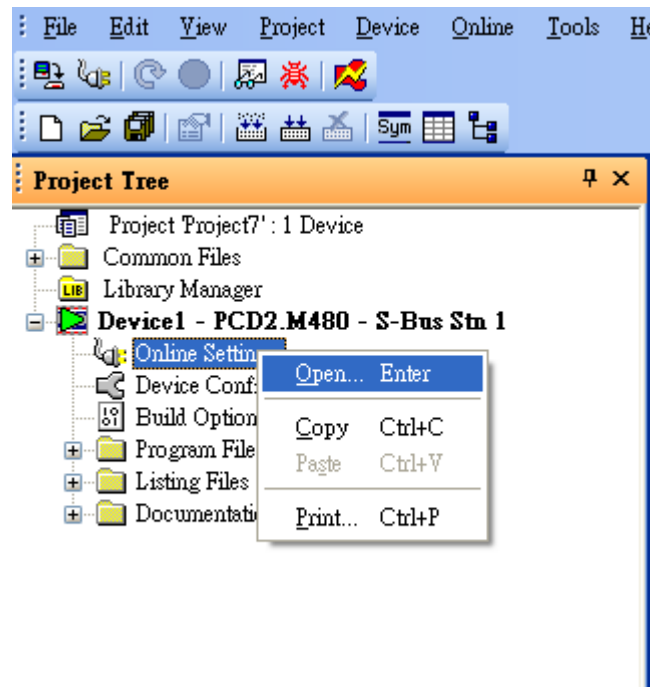


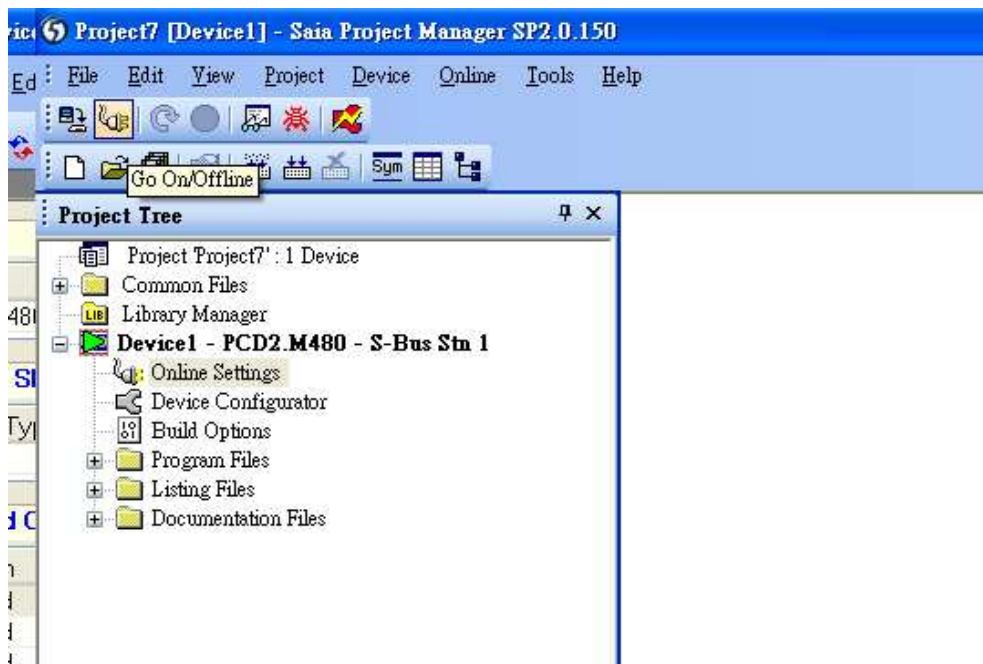
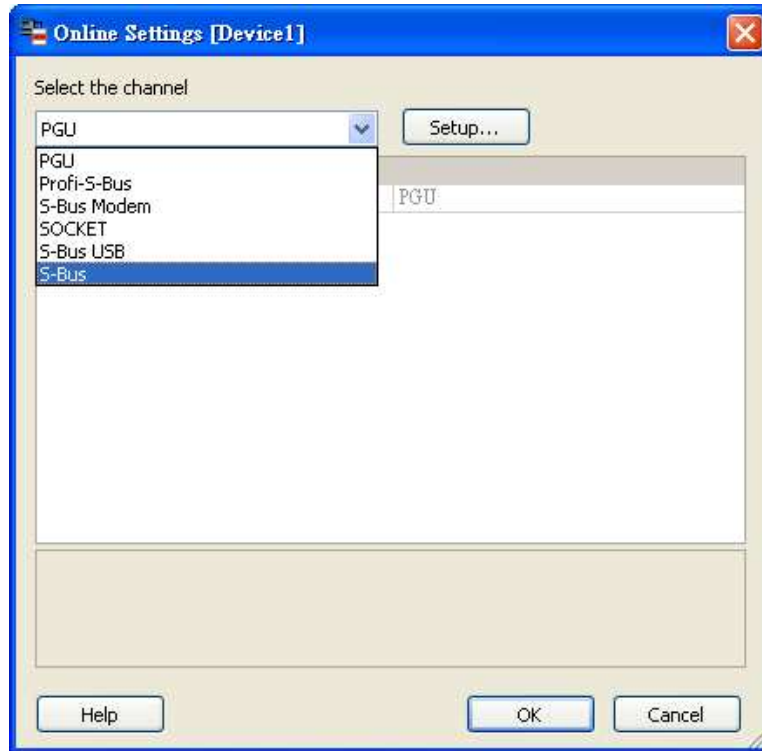
癸、设定 S-Bus Mode and Timing 中的各项参数，并上传至 PLC。





11、 至 Online Settings >> Open 选择 S-Bus 来完成 PLC 设定。









设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|--------|-------------|----------------------------|
| B | Flag | DDDD | 0 ~ 8191 | |
| B | Output | DDDD | 0 ~ 1023 | |
| B | Input | DDDD | 0 ~ 1023 | |
| B | Reg_Bit | DDDDdd | 0 ~ 1638331 | dd: Bit no. (00~31) |
| W | Register | DDDDD | 0 ~ 16383 | |
| W | Counter | DDDD | 0 ~ 1599 | |
| W | Timer | DDDD | 0 ~ 1599 | |
| W | Reg_Float | DDDDD | 0 ~ 16383 | support single float point |



接线图:

SAIA PCD PGU Port

MT6000/8000 series except MT6050i/MT8050i



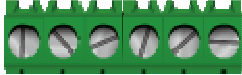
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 2 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  |  |  |  | |

MT6050i/MT8050i



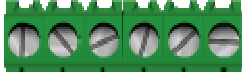
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | 3 TXD | |
| 6 TX | | | 2 RXD | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  | | |  | |

SAIA PCD1 Port #1 (Port #0) Terminal

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | SAIA PCD1 Port #1 (Port #0) Terminal |
| 1 RX- | 6 Data- | | 11 (29) |
| 2 RX+ | 9 Data+ | | 12 (28) |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | SAIA PCD1 Port #1 (Port #0) Terminal |
| 1 RX- | 7 Data- | | 11 (29) |
| 2 RX+ | 8 Data+ | | 12 (28) |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Dec/22/2010 | |

SAIA S-BUS (Ethernet)

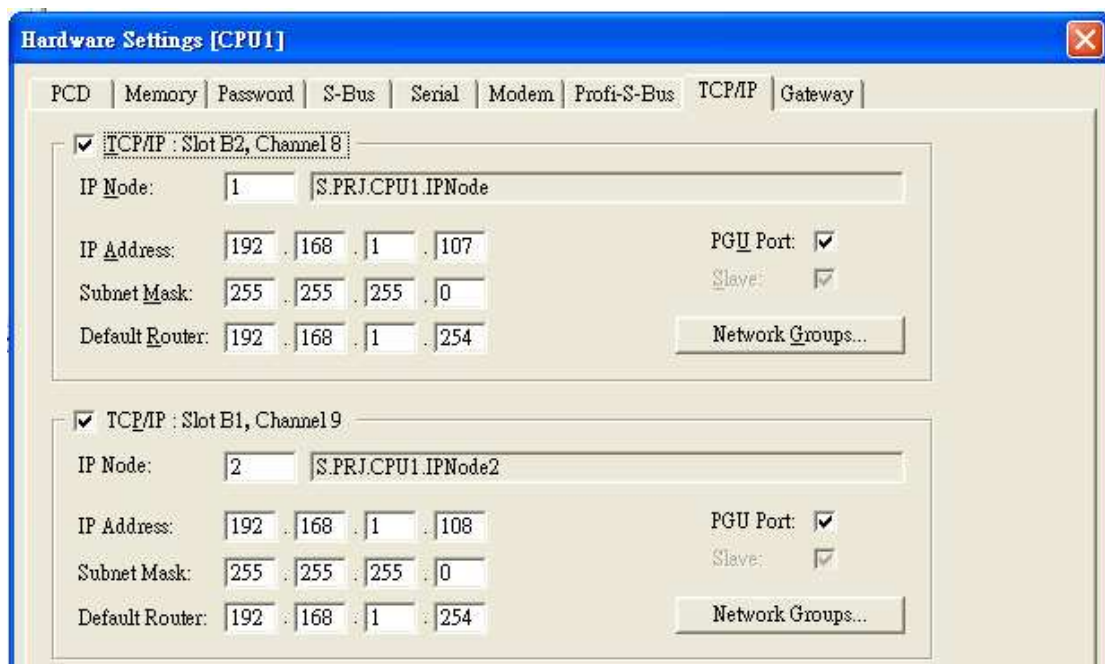
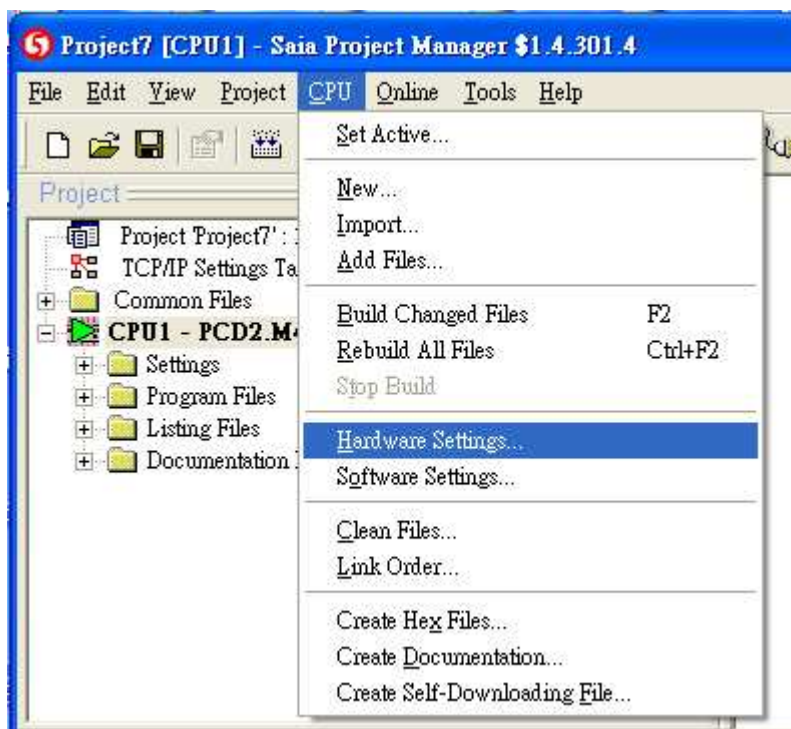
支持系列: SAIA PCD series Ethernet-TCP/IP.

网站: <http://www.saia-burgess.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------------|----|----|
| PLC 类型 | SAIA S-BUS (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 5050 | | |
| PLC 站号 | 0 | | |

PLC 设定:



设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|------|----------|----|
| B | Flag | DDDD | 0 ~ 8191 | |
| B | Output | DDDD | 0 ~ 1023 | |
| B | Input | DDDD | 0 ~ 1023 | |

| | | | | |
|---|-----------|--------|-------------|----------------------------|
| B | Reg_Bit | DDDDdd | 0 ~ 1638331 | dd: Bit no. (00 ~ 31) |
| D | Register | DDDDD | 0 ~ 16383 | |
| D | Counter | DDDD | 0 ~ 1599 | |
| D | Timer | DDDD | 0 ~ 1599 | |
| D | Reg_Float | DDDDD | 0 ~ 16383 | support single float point |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|-----------------------|
| V1.10 | Nov/30/2010 | Add Reg_Bit register. |

Schleicher XCS 20C

支持系列: Schleicher XCx-Systems Ethernet port. Schleicher XCS series, 20C model.

网站: <http://www.schleicher-electronic.com>

HMI 设定:

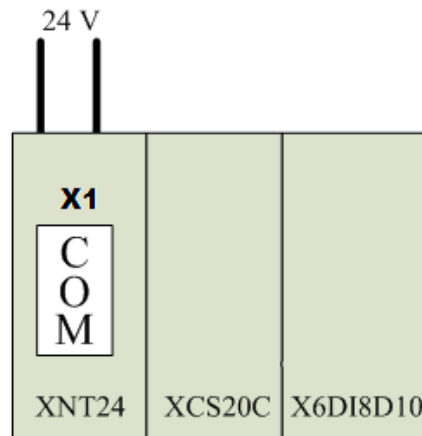
| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|----|----|
| PLC 类型 | Schleicher XCS 20C | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 38400 | | |
| 校验 | N | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | | |

设备类型:





| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|--------|------------|------------|
| B | IX | DDDDDo | 0 ~ 655357 | Input %IX |
| B | QX | DDDDDo | 0 ~ 655357 | Output %QX |
| B | MX | DDDDDo | 0 ~ 655357 | %MX |
| W | IW | DDDDD | 0 ~ 65535 | %IW |
| W | QW | DDDDD | 0 ~ 65535 | %QW |
| W | MW | DDDDD | 0 ~ 65535 | %MW |
| DW | ID | DDDDD | 0 ~ 65535 | %ID |
| DW | QD | DDDDD | 0 ~ 65535 | %QD |
| DW | MD | DDDDD | 0 ~ 65535 | %WD |

- Word 地址需设为 even



接线图:



MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Schleicher XCS20 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TD |
| 3 TX | 4 TX | 7 TX | 2 RD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | Schleicher XCS20 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 3 TD |
| 6 TX | | | 2 RD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|----|----|----|
| | | |

| | | |
|-------|-------------|--|
| V1.10 | Feb/26/2010 | |
|-------|-------------|--|

Schleicher XCX 300

网站: <http://www.schleicher-electronic.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|---------------------------|----|
| PLC 类型 | Schleicher XCX 300 | | |
| PLC 界面 | Ethernet | RS232, RS422, Ethernet | |
| 连接埠 | 20547 | | |
| PLC 站号 | 2 | | |

PLC 设定:

需为 HMI 设定变量。



| Name | Type | Address | Description | Usage | Init | Retain | PDD | OPC |
|-------|------|-------------|-------------|-------|------|--------------------------|--------------------------|--------------------------|
| MW90 | WORD | %MW 180 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW91 | WORD | %MW 182 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW92 | WORD | %MW 184 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW93 | WORD | %MW 186 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW94 | WORD | %MW 188 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW95 | WORD | %MW 190 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW96 | WORD | %MW 192 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW97 | WORD | %MW 194 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW98 | WORD | %MW 196 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW99 | WORD | %MW 198 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MW100 | WORD | %MW 200 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX0 | BOOL | %EX 10000.0 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX1 | BOOL | %EX 10000.1 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX2 | BOOL | %EX 10000.2 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX3 | BOOL | %EX 10000.3 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX4 | BOOL | %EX 10000.4 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX5 | BOOL | %EX 10000.5 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX6 | BOOL | %EX 10000.6 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX7 | BOOL | %EX 10000.7 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EX8 | BOOL | %EX 10001.0 | | VAR | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|--------|------------|------------|
| B | IX | DDDDDo | 0 ~ 655357 | Input %IX |
| B | QX | DDDDDo | 0 ~ 655357 | Output %QX |
| B | MX | DDDDDo | 0 ~ 655357 | %MX |
| W | IW | DDDDD | 0 ~ 65535 | %IW |
| W | QW | DDDDD | 0 ~ 65535 | %QW |
| W | MW | DDDDD | 0 ~ 65535 | %MW |
| DW | ID | DDDDD | 0 ~ 65535 | %ID |
| DW | QD | DDDDD | 0 ~ 65535 | %QD |
| DW | MD | DDDDD | 0 ~ 65535 | %WD |

- Word 地址需设为 even

接线图:


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |







使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |





Schleicher XCX300 RS232 Port

MT6000/8000 series except MT6050i/MT8050i



| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Female |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Female |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |



Schleicher XCX300 RS485 4W Terminal

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W Terminal |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|----------------------------------|--|--|-------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W Terminal |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------------------------------------------|
| V1.00 | Nov/30/2009 | 发布驱动程序. |
| V1.10 | Jun/28/2010 | Support RS232, RS422 interface connection. |

SEW Movilink

支持系列: SEW Eurodrive series, model MOVITRAC-07 inverter, MovitracB.

网站: <http://sg.sew-eurodrive.com/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------|-------|----|
| PLC 类型 | SEW Movilink | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 数据位 | 8 | | |
| 校验 | Even | | |
| 停止位 | 1 | | |
| PLC 站号 | 0 | 0~255 | |




设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|------------|----------------|----|
| B | INDEX_Bit | DDDDDDDDdd | 0 ~ 2552500031 | |
| W | INDEX | DDDDDDDD | 0 ~ 25525000 | |




- MOVITRAC-07 不支持 Sub index (其它系列可能支持), 请变更为 input 000
- 输入 D 或是 d 时, 正确格式例如: Sub index 15, Index 8359, 格式为 01508359

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | Movitrac-07 RS485 2W |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | D- (Green) |
| 2 RX+ | 9 Data+ | | D+ (Red) |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | Movitrac-07 RS485 2W |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 7 Data- | | D- (Green) |
| 2 RX+ | 8 Data+ | | D+ (Red) |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.31 | Jun/25/2010 | |

SEW MOVITRAC LTE

网站: <http://www.seweurodrive.com/index.php>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|----|----|
| PLC 类型 | SEW MOVITRAC LTE | | |
| PLC 界面 | RS-485 2W | | |
| 传输速率 | 115200 | | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |

| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 扩展模式 | NO |
|------|-----|------|----|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|----|-------|------------------------|
| W | P-1 | D | 0 ~ 1 | Max. speed limit |
| W | P-2 | D | 0 ~ 1 | Min. speed limit |
| W | P-3 | D | 0 ~ 1 | Acceleration ramp time |
| W | P-4 | D | 0 ~ 1 | Deceleration ramp time |
| W | P-5 | D | 0 ~ 1 | Stop mode select |
| W | P-6 | D | 0 ~ 1 | Energy optimizer |
| W | P-7 | D | 0 ~ 1 | Motor rated voltage |




| | | | | |
|---|---------|---|-------|-----------------------------------------------------------------|
| W | P-8 | D | 0 ~ 1 | Motor rated current |
| W | P-9 | D | 0 ~ 1 | Motor rated frequency |
| W | P-10 | D | 0 ~ 1 | Motor rated speed |
| W | P-11 | D | 0 ~ 1 | Voltage boost |
| W | P-12 | D | 0 ~ 1 | Terminal / Keypad control |
| W | P-13 | D | 0 ~ 1 | Trip log |
| W | P-14 | D | 0 ~ 1 | Extended menu access code |
| W | P-15 | D | 0 ~ 1 | Digital input function set |
| W | P-16 | D | 0 ~ 1 | Analog input V / mA |
| W | P-17 | D | 0 ~ 1 | Output switching frequency |
| W | P-18 | D | 0 ~ 1 | User relay output select |
| W | P-19 | D | 0 ~ 1 | User relay output limit |
| W | P-20 | D | 0 ~ 1 | Preset speed 1 |
| W | P-21 | D | 0 ~ 1 | Preset speed 2 |
| W | P-22 | D | 0 ~ 1 | Preset speed 3 |
| W | P-23 | D | 0 ~ 1 | Preset speed 4 |
| W | P-24 | D | 0 ~ 1 | Deceleration ramp time 2 |
| W | P-25 | D | 0 ~ 1 | Analog output function select |
| W | P-26 | D | 0 ~ 1 | Skip frequency hysteresis band |
| W | P-27 | D | 0 ~ 1 | Skip frequency |
| W | P-28 | D | 0 ~ 1 | V/F characteristic adjustment voltage |
| W | P-29 | D | 0 ~ 1 | V/F characteristic adjustment frequency |
| W | P-30 | D | 0 ~ 1 | Terminal mode restart function |
| W | P-31 | D | 0 ~ 1 | Keypad mode restart function |
| W | P-32 | D | 0 ~ 1 | DC injection enable / duration |
| W | P-33 | D | 0 ~ 1 | Spin start |
| W | P-34 | D | 0 ~ 1 | Brake chopper enable |
| W | P-35 | D | 0 ~ 1 | Analog input scaling factor |
| W | P-36 | D | 0 ~ 1 | Comms address; SBus enable/baudrate select; Trip enable / delay |
| W | P-37 | D | 0 ~ 1 | Access code definition |
| W | P-38 | D | 0 ~ 1 | Parameter access lock |
| W | P-39 | D | 0 ~ 1 | Analog input off-set |
| W | P-40 | D | 0 ~ 1 | Display speed scaling factor |
| W | P-00-01 | D | 0 ~ 1 | Analog input 1 value |

| | | | | |
|---|---------|---|-------|----------------------------------|
| W | P-00-02 | D | 0 ~ 1 | Analog input 2 value |
| W | P-00-03 | D | 0 ~ 1 | Speed reference input |
| W | P-00-04 | D | 0 ~ 1 | Digital input status |
| W | P-00-05 | D | 0 ~ 1 | Reserved |
| W | P-00-06 | D | 0 ~ 1 | Reserved |
| W | P-00-07 | D | 0 ~ 1 | Applied motor voltage |
| W | P-00-08 | D | 0 ~ 1 | DC bus voltage log |
| W | P-00-09 | D | 0 ~ 1 | Heatsink temperature |
| W | P-00-10 | D | 0 ~ 1 | Hours run meter |
| W | P-00-11 | D | 0 ~ 1 | Run time since last trip (1) |
| W | P-00-12 | D | 0 ~ 1 | Run time since last trip (2) |
| W | P-00-13 | D | 0 ~ 1 | Run time since last disable |
| W | P-00-14 | D | 0 ~ 1 | Reserved |
| W | P-00-15 | D | 0 ~ 1 | DC bus voltage log |
| W | P-00-16 | D | 0 ~ 1 | Thermistor temperature log |
| W | P-00-17 | D | 0 ~ 1 | Motor current |
| W | P-00-18 | D | 0 ~ 1 | Software ID,IO and motor control |
| W | P-00-19 | D | 0 ~ 1 | Drive serial number |
| W | P-00-20 | D | 0 ~ 1 | Drive identifier |

P-00-01 ~ P-00-20 为只读

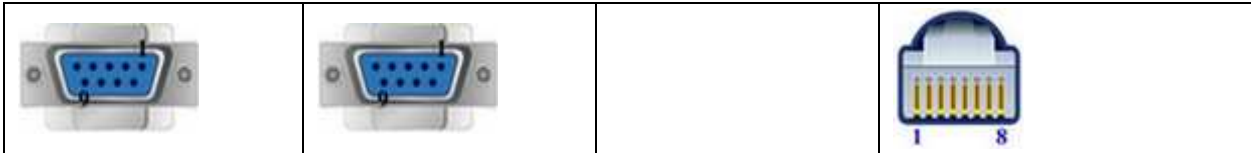
接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | PLC RS485 2W 8P RJ45 Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | 5 - |
| 2 RX+ | 9 Data+ | | 4 + |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | PLC RS485 2W 8P RJ45 Male |
|----------------------------------|----------------------------------|--|------------------------------|
| 1 RX- | 7 Data- | | 5 - |
| 2 RX+ | 8 Data+ | | 4 + |
| 5 GND | 5 GND | | |



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | May/19/2011 | 发布驱动程序. |

SHIMADEN MR13/FP93

支持系列: MR13, FP93 devices

网站: <http://www.shimaden.co.jp>

HMI 设定:

| 参数设定 | 推荐 | 选项 s | 注释 |
|-------------|--------------------|------------------------------------------------------|--------------|
| PLC 类型 | SHIMADEN MR13/FP93 | | |
| PLC 界面 | RS485 | | |
| 数据位 | 7 | 7 or 8 | |
| 停止位 | 1 | 1 | |
| 传输速率 | 9600 | 1200-19200 | |
| 校验 | E | None/Even | |
| PLC 站号 | 1 | 1~255 | |
| 通讯字符串 格式 | 选择 3 : @_:_CR | 0, 1 : STX_ETX_CR 2 : STX_ETX_CR LF 3 : @_:_CR | FP93, 选择 0,1 |
| BCC 校验 | 选择 3 : 异或校验 | 0, 1 : 累加 2 : 求补 3 : 异或 4 : 无块校验 | |

注意：

地址 018C 为通讯控制缓存器，只有设置为 1 的时候，才允许对别的缓存器进行写操作。



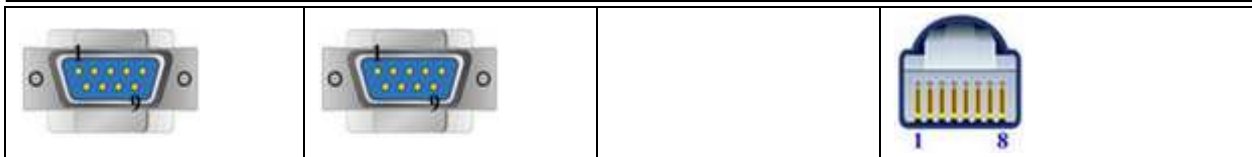
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|------|----------|-----------|
| W | Channel 1 | HHHH | 0 ~ ffff | 读写第一信道缓存器 |
| W | Channel 2 | HHHH | 0 ~ ffff | 读写第二信道缓存器 |
| W | Channel 3 | HHHH | 0 ~ ffff | 读写第三信道缓存器 |




接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--------------------------------|--|--------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | MR13/FP93 RS485 2W Terminal |
| 1 RX- | 6 Data- | | 25 - |
| 2 RX+ | 9 Data+ | | 24 + |
| 5 GND | 5 GND | | 23 GND |



MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | MR13/FP93 RS485 2W Terminal |
| 1 RX- | 7 Data- | | 25 - |
| 2 RX+ | 8 Data+ | | 24 + |
| 5 GND | 5 GND | | 23 GND |
|  |  | |  |

MR13 通讯参数设定

| 数据地址 (16进制) | 参数 | 参数说明 | R/W (读/写) |
|----------------|-----------|------------------|--------------|
| 0100 | PV 测量值 | 测量范围内 | R |
| 0101 | E_SV设定值 | 设定值范围内 | R |
| 0102 | OUT 调节输出 | 在0.0 ~ 100.0%范围内 | R |
| 0103 | 保留 | | |
| 0104 | 工作状态标志 | (请参阅下面详细说明) | R |
| 0105 | 事件输出标志 | (请参阅下面详细说明) | R |
| 0106 | 保留 | | |
| 0107 | 保留 | | |
| 0108 | REM 模拟遥控值 | 设定值范围内 | R |

| | | | |
|------|----------|---------------|---|
| 0109 | 保留 | | |
| 010A | 保留 | | |
| 010B | DI外部开关状态 | (请参阅下面详细说明) | R |

| 数据地址 (16 进制) | 参数 | 设定范围 | R /W (读 / 写) |
|------------------|------------|-----------------------------|-------------------|
| 0111 | 范围 范围 | 测量范围代码列表 | R |
| 0112 | 保留 | | |
| 0113 | DP 小数点 | 小数点位置 (0:无小数点 , 1 : 有小数点) | R |
| 0114 | PV Sc_L 下限 | 线性输入时:-1999 ~ 9999 单位 | R |
| 0115 | PV Sc_H 上限 | 热电偶、铂电阻输入时:与测量范围相同 | R |

| 数据地址 (16进制) | 参数 | 设定范围 | R /W (读 / 写) |
|----------------|-------|--------|-------------------|
| 0120 | E_PRG | 程序运行标志 | R |
| 0121 | 保留 | | |
| 0122 | 保留 | | |
| 0123 | E_PRT | 执行方式号 | R |

| | | | |
|------|-------|--------------------------|---|
| | | (程序复位时是7FFE H) | |
| 0124 | E_STP | 程序步号 (程序复位时是7FFE H) | R |
| 0125 | E_TIM | 剩余时间 (程序复位时是7FFE H) | R |
| 0126 | E_PID | PID号 (程序复位时是7FFE H) | R |

| 数据地制 (16进制) | 参数 | 设定范围 | R/W (读/写) |
|----------------|--------|--------------|--------------|
| 0184 | AT 自整定 | 0:停止 1:执行 | W |

| | | | |
|------|----------------|------------------|---|
| 018C | Operation 通讯状态 | 0:本机方式 1:通讯方式 | W |
|------|----------------|------------------|---|

| | | | |
|------|-------------------------|------------------------------------------|---|
| 0190 | PROG RUN/RST 程序运行/复位 | 0 : RST 复位 , 1 : RUN 运行 (只在CH1回路可写) | W |
|------|-------------------------|------------------------------------------|---|

| | | | |
|------|------------------|----------------------------------------|---|
| 0191 | PROG HLD 程序保持 | 0 : 解除保持 , 1 : HLD 保持 (只在CH1回路可写) | W |
|------|------------------|----------------------------------------|---|

| | | | |
|------|--------|-------|-----|
| 0300 | SV 设定值 | 设定范围内 | R/W |
|------|--------|-------|-----|

| 数据地制 (16进制) | 参数 | 设定范围 | R/W (读/写) |
|----------------|----------------|---------------------|--------------|
| 030A | SV Limt_L设定值下限 | 测量范围内 设定值下限 < 上限 | R/W |
| 030B | SV Limt_h设定值上限 | | |

| | | | |
|------|-----------------------|---------------------|-----|
| 0314 | REM SC_L 外给定下限 | 测量范围内 外给定下限值≠上限值 | R/W |
| 0315 | REM SC_H 外给定上限 | | |
| 0316 | REM Bias 外给定偏差值设定 | 范围: -1999 ~ 5000 单位 | R/W |
| 0317 | REM Filt 外给定滤波常数设定 | 范围: 0 ~ 100 秒 | R/W |

| | | | |
|------|-------------------|---------------------------------------------------|-----|
| 031A | REM-CH 外给定回路选择 | 仿真遥控通道分配 0 : OFF , 1 : CH1 , 2 : CH2 , 3 : CH3 | R/W |
|------|-------------------|---------------------------------------------------|-----|

| 数据地制 (16进制) | 参数 | 设定范围 | R/W (读/写) |
|----------------|-------------------------|---------------------------------------|--------------|
| 0320 | SV Follow SW 设定值跟踪设定 | CH2和CH3回路SV设定值跟踪设定 1:ON 跟踪 0:NO不跟踪 | R/W |
| 0321 | SV Follow | SV设定值跟踪偏差 -1999 ~ 5000单 | R/W |

| | | | |
|------|----------------|------------------------------------------|-----|
| | 设定值跟踪偏差 | 位 | |
| 0400 | FIX P | 定值比例带 范围: 0.0 ~ 999.9%(0.0:OFF) | R/W |
| 0401 | FIX I | 定值积分时间 范围: 0 ~ 6000 Seconds (0.0:OFF) | R/W |
| 0402 | FIX D | 定值微分时间 范围 0 ~ 3600 Seconds (0.0:OFF) | R/W |
| 0403 | FIX MR | 定值手动复位 范围: -50.0 ~ 50.0% | R/W |
| 0404 | FIX DF | 定值回差 范围: 1 ~ 999 单位 | R/W |
| 0405 | FIX OUT Limt_L | 定值控制输出下限 范围: 0.0 ~ 99.9% | R/W |
| 0406 | FIX OUT Limt_H | 定值控制输出上限 范围: 0.1 ~ 100.0% | R/W |
| 0407 | FIX SF | 定值F超调抑制系数 范围: OFF , 0.01 ~ 1.00 | R/W |
| 0408 | Prog P1 | 程序1比例带 范围: 0.0 ~ 999.9% (0.0:OFF) | R/W |
| 0409 | Prog I1 | 程序1积分时间 | R/W |

| | | | |
|------|---------------|-------------------------------------|-----|
| | | 范围: 0 ~ 6000 秒 (0.0:OFF) | |
| 040A | Prog D1 | 程序1微分时间 范围: 0 ~ 3600 秒 (0.0:OFF) | R/W |
| 040B | Prog MR1 | 程序1手动复位 范围: -50.0 ~ 50.0% | R/W |
| 040C | Prog DF1 | 程序方式回差1 范围: 1 ~ 999 unit | R/W |
| 040D | Prog O_Lmt_L1 | 程序方式控制输出下限1 范围: 0.0 ~ 99.9% | R/W |
| 040E | Prog O_Lmt_H1 | 程序方式控制输出上限1 1.0 ~ 100.0% | R/W |
| 040F | Prog SF1 | 程序方式超调抑制系数1 OFF, 0.01 ~ 1.00 | R/W |
| 0410 | Prog P2 | 程序方式比例带2 0.0 ~ 999.9% (0.0:OFF) | R/W |
| 0411 | Prog I2 | 程序方式积分时间2 0 ~ 6000 秒 (0.0:OFF) | R/W |
| 0412 | Prog D2 | 程序方式微分时间2 0 ~ 3600 秒 (0.0:OFF) | R/W |
| 0413 | Prog MR2 | 程序方式手动复位2 -50.0 ~ 50.0% | R/W |
| 0414 | Prog DF2 | 程序方式回差2 1 ~ 999 单位 | R/W |

| | | | |
|------|---------------|------------------------------------|-----|
| 0415 | Prog O_Lmt_L2 | 程序方式控制输出下限2 0.0 ~ 99.9% | R/W |
| 0416 | Prog O_Lmt_H2 | 程序方式控制输出上限2 1.0 ~ 100.0% | R/W |
| 0417 | Prog SF2 | 程序方式抑制系数2 OFF,0.01 ~ 1.00 | R/W |
| 0418 | Prog P3 | 程序方式比例带3 0.0 ~ 999.9% (0.0:OFF) | R/W |
| 0419 | Prog I3 | 程序方式积分时间3 0 ~ 6000 秒 (0.0:OFF) | R/W |
| 041A | Prog D3 | 程序方式微分时间3 0 ~ 3600 秒 (0.0:OFF) | R/W |
| 041B | Prog MR3 | 程序方式手动复位3 -50.0 ~ 50.0% | R/W |
| 041C | Prog DF3 | 程序方式回差3 1 ~ 999 单位 | R/W |
| 041D | Prog O_Lmt_L3 | 程序方式控制输出下限3 0.0 ~ 99.9% | R/W |
| 041E | Prog O_Lmt_H3 | 程序方式控制输出上限3 1.0 ~ 100.0% | R/W |

| | | | |
|------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 041F | Prog SF3 | 程序方式抑制系数3 OFF,0.01 ~ 1.00 | R/W |
| 0500 | EV1_MODE EV1事件报警方式号 | 0:无作用 1:上限偏差值 2:下限偏差值 3:上、下限偏差值外 4:上、下限偏差值内 5:上限绝对值 6:下限绝对值 7: 超量呈 8:程序运行 9:程序结束 10:程序步 仅当子地址=EV1_CH.时有效 | R/W |
| 0501 | EV1 Set Point EV1报警设定值 | 1.上限偏差值报警: 0 ~ 1999单位 2.下限偏差值报警: 0 ~ -1999单位 3.上下限偏差值外报警: 0 ~ 1999单位 4.上下限偏差值内报警: 0 ~ 1999单位 5.上限绝对值报警: 测量值范围内 | R/W |

| | | | |
|------|-------------------------|---------------------------------------|-----|
| | | 6.下限绝对值报警: 测量值范围内 仅当子地址=EV1_CH.时有效 | |
| 0502 | EV1 Diffrent EV1 回差 | 报警滞后 1 ~ 999 单位 仅当子地址=EV1_CH.时有效 | R/W |
| 0503 | EV1 Inhibit EV1 上电抑制 | 报警抑制方式 1 ~ 4 仅当子地址=EV1_CH.时有效 | R/W |
| 0504 | EV1 Delay EV1 报警延迟 | 报警延迟时间 0 ~ 9999 秒 仅当子地址=EV1_CH.时有效 | R/W |

| | | | |
|------|------------------|------------------------------------|-----|
| 0506 | EV1_CH EV1 通道 | 通道号设置 1:CH1回路, 2:CH2回路, 3:CH3回路 | R/W |
|------|------------------|------------------------------------|-----|

| | | | |
|------|-------------------------|-----------------------------------------------------------------------------------------|-----|
| 0510 | EV2_MODE EV2 事件报警方式号 | 0:无作用 1:上限偏差值 2:下限偏差值 3:上、下限偏差值外 4:上、下限偏差值内 5:上限绝对值 6:下限绝对值 7: 超量呈 | R/W |
|------|-------------------------|-----------------------------------------------------------------------------------------|-----|

| | | | |
|------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| | | 8:程序运行 9:程序结束 10:程序步 仅当子地址=EV2_CH.时有效 | |
| 0511 | EV2 Set Point EV2报警设定值 | 1.上限偏差值报警: 0 ~ 1999 单位 2.下限偏差值报警: 0 ~ -1999 单位 3.上下限偏差值外报警: 0 ~ 1999 单位 4.上下限偏差值内报警: 0 ~ 1999 单位 5.上限绝对值报警: 测量值范围内 6.下限绝对值报警: 测量值范围内 仅当子地址=EV2_CH.时有效 | R/W |
| 0512 | EV2 Diffrent EV2 回差 | 报警滞后 1 ~ 999 单位 仅当子地址=EV2_CH.时有效 | R/W |
| 0513 | EV2 Inhibit EV2 上电抑制 | 报警抑制方式 1 ~ 4 仅当子地址=EV2_CH.时有效 | R/W |
| 0514 | EV2 Delay EV2 报警延迟 | 报警延迟时间 0 ~ 9999 秒 仅当子地址=EV2_CH.时有效 | R/W |
| 0516 | EV2_CH EV2通道 | 通道号设置 1:CH1回路, 2:CH2回路, 3:CH3回路 | R/W |

| | | | |
|------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 0520 | EV3_MODE EV3事件报警方式号 | 0:无 1:上限偏差值 2:下限偏差值 3:上、下限偏差值外 4:上、下限偏差值内 5:上限绝对值 6:下限绝对值 7: 超量呈 8:程序运行 9:程序结束 10:程序步 仅当子地址=EV3_CH.时有效 | R/W |
| 0521 | EV3 Set Point EV3报警设定值 | 1.上限偏差值报警: 0 ~ 1999 单位 2.下限偏差值报警: 0 ~ -1999 单位 3.上下限偏差值外报警: 0 ~ 1999 单位 4.上下限偏差值内报警: 0 ~ 1999 单位 5.上限绝对值报警: 测量值范围内 6.下限绝对值报警: 测量值范围内 仅当子地址=EV3_CH.时有效 | R/W |

| | | | |
|------|------------------------|---------------------------------------|-----|
| 0522 | EV3 Diffrent EV3回差 | 报警滞后 1 ~ 999 单位 仅当子地址=EV3_CH.时有效 | R/W |
| 0523 | EV3 Inhibit EV3上电抑制 | 报警抑制方式 1 ~ 4 仅当子地址=EV3_CH.时有效 | R/W |
| 0524 | EV3 Delay EV3报警延迟 | 报警延迟时间 0 ~ 9999 秒 仅当子地址=EV3_CH.时有效 | R/W |

| | | | |
|------|-----------------|------------------------------------|-----|
| 0526 | EV3_CH EV3通道 | 通道号设置 1:CH1回路, 2:CH2回路, 3:CH3回路 | R/W |
|------|-----------------|------------------------------------|-----|

| | | | |
|------|------------|-----------------------------------------------------|-----|
| 0580 | DI DI 外部开关 | 0:NON 无定义 1:FLW 跟踪 2:RUN 运行 3:HLD 保持 4:ADV 跳步 | R/W |
|------|------------|-----------------------------------------------------|-----|

| | | | |
|------|---------------|--------------------------|-----|
| 05B0 | MEM 通讯存储方式 | 1:EEP 程序内存 0:RAM 随机内存 | R/W |
|------|---------------|--------------------------|-----|

| | | | |
|------|---------------------|--------------------------------------|-----|
| 0600 | Out Actn 调节输出极性 | 输出极性 0:Rev Act. 反作用 1:Dir Act 正作用 | R/W |
| 0601 | Out Cyc 调节输出比例周期 | 调节输出比例周期(单位:0.5 秒) 0.5 ~ 120.0秒 | R/W |

| | | | |
|------|-----------------|----------------------------------|--|
| 0602 | Reserved保留 | | |
| 0603 | SOFTSW 运行缓启动 | 运行缓启动设置 0:OFF 无作用 1:ON 有作用 | |

| | | | |
|------|--------------------|----------------------------------------|-----|
| 0610 | AT Point 自整定点偏移 | 自整定点偏移 0 ~ 5000单位 | R/W |
| 0611 | Key Lock 键锁定 | 0:OFF 1:LOCK1 2:LOCK2 3:LOCK3 | R/W |

- 当进行调节输出比例周期设置时，步长为 0.5 秒。
- 写指令锁定与屏幕锁定一致。（相对仪表的手动操作）
- EV1_CH, EV2_CH, EV3_CH 的修改，与参数的初始设置有关。

| | | | |
|------|--------------------|-------------------------|-----|
| 0701 | PV Bias 测量值偏移 | 测量值偏移 -1999 ~ 1999单位 | R/W |
| 0702 | PV Filt 测量值偏移系数 | 测量值滤波系数 0 ~ 100秒 | R/W |

| | | | |
|------|---------------|-------------------------------------------------|-----|
| 0710 | PFLW 测量值跟踪 | CH2 , CH3 回路测量值 PV 跟踪设定 0:OFF 不跟踪 1:ON 跟踪 | R/W |
| 0711 | CH_P | 0-0 窗口 CH2, CH3 回路测量值显示有无 0:无 1:有 | R/W |

| | | | |
|------|--------|--------|-----|
| 0800 | FP_MOD | 工作方式选择 | R/W |
|------|--------|--------|-----|

| | | | |
|------|-------|-----------------------------------------|-----|
| | 工作方式 | 0:FIX 定值控制 1:PROG 程控 (仅在CH1回路可设) | |
| 0801 | PV_ST | 伺服起动手 0:OFF 1:ON (仅在CH1回路可设) | R/W |

| | | | |
|------|----------------|----------------------------------|-----|
| 0882 | STP 程序步 | 步号 1~9 (仅在CH1回路可设) | R/W |
| 0883 | RPT 循环次数 | 循环执行次数 1~9999 (仅在CH1回路可设) | R/W |
| 0884 | ST_SV 程序起始值 | 程序起始值设定 (仅在CH1回路可设) | R/W |

- 对于CH1回路，测量值跟踪设置（PFLW）窗口（1-30），0-0窗口回路的测量值显示有无设置（CH_P）

窗口（1-29）显示为----。读出值为7FFE_H，进行设置时将返回错误码（0BH）。

| | | | |
|------|--------------|-----------------------------|-----|
| 08A0 | Step1 SV | 第一步目标设定值 (仅在CH1回路可设) | R/W |
| 08A1 | Step1 Time | 第一步运行时间 (仅在CH1回路可设) | R/W |
| 08A2 | Step1 PID No | 第一步PID号 | R/W |

| | | | |
|------|--------------|-------------------------|-----|
| 08A3 | Reserved | | |
| 08A4 | Step2 SV | 第二步目标设定值 (仅在CH1回路可设) | R/W |
| 08A5 | Step2 Time | 第二步运行时间 (仅在CH1回路可设) | R/W |
| 08A6 | Step2 PID No | 第二步PID号 | R/W |
| 08A7 | Reserved | | |
| 08A8 | Step3 SV | 第三步目标设定值 (仅在CH1回路可设) | R/W |
| 08A9 | Step3 Time | 第三步运行时间 (仅在CH1回路可设) | R/W |
| 08AA | Step3 PID No | 第三步PID号 | R/W |
| 08AB | Reserved | | |
| 08AC | Step4 SV | 第四步目标设定值 (仅在CH1回路可设) | R/W |
| 08AD | Step4 Time | 第四步运行时间 (仅在CH1回路可设) | R/W |
| 08AE | Step4 PID No | 第四步PID号 | R/W |
| 08AF | Reserved | | |

| | | | |
|------|--------------|-------------------------|-----|
| 08B0 | Step5 SV | 第五步目标设定值 (仅在CH1回路可设) | R/W |
| 08B1 | Step5 Time | 第五步运行时间 (仅在CH1回路可设) | R/W |
| 08B2 | Step5 PID No | 第五步PID号 | R/W |
| 08B3 | Reserved | | |
| 08B4 | Step6 SV | 第六步目标设定值 (仅在CH1回路可设) | R/W |
| 08B5 | Step6 Time | 第六步运行时间 (仅在CH1回路可设) | R/W |
| 08B6 | Step6 PID No | 第六步PID号 | R/W |
| 08B7 | Reserved | | |
| 08B8 | Step7 SV | 第七步目标设定值 (仅在CH1回路可设) | R/W |
| 08B9 | Step7 Time | 第七步运行时间 (仅在CH1回路可设) | R/W |
| 08BA | Step7 PID No | 第七步PID号 | R/W |
| 08BB | Reserved | | |
| 08BC | Step8 SV | 第八步目标设定值 | R/W |

| | | | |
|------|--------------|-------------------------|-----|
| | | (仅在CH1回路可设) | |
| 08BD | Step8 Time | 第八步运行时间 (仅在CH1回路可设) | R/W |
| 08BE | Step8 PID No | 第八步PID号 | R/W |
| 08BF | Reserved | | |
| 08C0 | Step9 SV | 第九步目标设定值 (仅在CH1回路可设) | R/W |
| 08C1 | Step9 Time | 第九步运行时间 (仅在CH1回路可设) | R/W |
| 08C2 | Step9 PID No | 第九步PID号 | R/W |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Apr/08/2011 | |

SIEMENS S7/1200 (Ethernet)

支持系列: Siemens S7/1200 Ethernet 系列.

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------|----|----|
| PLC 类型 | SIEMENS S7/1200 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 2 | | |
| 连接埠 | 102 | | |

| | | | |
|------|----|-----------|----|
| 在线仿真 | OK | 多台 PLC 连接 | OK |
|------|----|-----------|----|

1. 首先, 在 S7-1200 软件建立卷标与程序并下载到 PLC.
2. 开启 EB Pro, 选择 "SIEMENS S7-1200 (Ethernet)".

設備屬性

名稱：SIEMENS S7-1200 (Ethernet)

HMI PLC

所在位置：本機 設定...

PLC 類型：SIEMENS S7-1200 (Ethernet)
V.1.60, SIEMENS_S7_1200.so

PLC 介面：乙太網路

IP：192.168.1.10, 連接埠=102 設定...

使用 UDP (User Datagram Protocol)

PLC 預設站號：2

確定 取消

3. 點選“設定...”，輸入 PLC IP 地址。

IP 位址設定

IP 位址：192 . 168 . 1 . 10

連接埠：102

超時 (秒)：1.0 通訊延遲 (毫秒)：0

ACK 訊號延時 (毫秒)：0 參數 1：0

參數 2：0 參數 3：0

確定 取消

4. 先確認 PLC 未被任何裝置連接，點選“取得卷標信息...”，即可獲取 PLC 標籤。



5. 建立对象后点选“设定...”

支持设备类型:


| S7-1200 数据类型 | EasyBuilder 数据格式 | 注释 |
|--------------|-----------------------------------|--------|
| Bool | bit | |
| Byte | 16-bit BCD, Hex, Binary, Unsigned | 8-bit |
| SInt | 16-bit BCD, Hex, Binary, Unsigned | 8-bit |
| Word | 16-bit BCD, Hex, Binary, Unsigned | 16-bit |
| Int | 16-bit BCD, Hex, Binary, Signed | 16-bit |
| UInt | 16-bit BCD, Hex, Binary, Unsigned | 16-bit |
| DWord | 32-bit BCD, Hex, Binary, Unsigned | 32-bit |
| DInt | 32-bit BCD, Hex, Binary, Signed | 32-bit |

| | | |
|-------|----------------------------------------------|-------------|
| Real | 32-bit Float | 32-bit |
| Array | Word array for ASCII input and ASCII display | Length=word |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|------------|--------------------------------|
| V1.70 | Oct/7/2011 | 新增 Byte, SInt, UInt, UInt 数据类型 |

SIEMENS S7/200

支持系列: Siemens S7/200 系列 PLC (CPU212/214/215/216/221/222/224/226/226XM)

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|---------------|----------------|---------------------|-----------------------------------------------|
| PLC 类型 | SIEMENS S7/200 | | |
| PLC 界面 | RS485 2w | RS485 2w | |
| 传输速率 | 9600 | 9600, 19200, 187.5K | HMI 后盖贴有 MPI 187.5K 才有支持 187.5 K 传输速 率. |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 2 | 1 ~ 126 | |
| 通讯延时 (毫 秒) | 5 | | |
| 参数 1 | 30 | | ACK delay time |

| | | | |
|------|-----|------|----|
| 在线仿真 | YES | 扩展模式 | NO |
| 广播命令 | NO | | |

PLC 设定:

| | |
|------|-------------------------|
| 通讯模式 | Set station number as 2 |
|------|-------------------------|




设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|---------------|--------|------------|----------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | VW_Bit | DDDDDo | 0 ~ 102397 | V Memory Bit Address |
| W | VB | DDDDD | 0 ~ 10239 | |
| W | VW | DDDDD | 0 ~ 10239 | V Memory |
| W | VW_Odd | DDDDD | 0 ~ 10239 | V Memory |
| DW | VD | DDDDD | 0 ~ 10239 | V Memory Double Word |
| DW | VD_Odd | DDDDD | 0 ~ 10239 | V Memory Double Word |
| W | VW_String | DDDDD | 0 ~ 10239 | String |
| W | VW_String_Odd | DDDDD | 0 ~ 10239 | String |
| W | VD_String | DDDDD | 0 ~ 10239 | String |
| W | VD_String_Odd | DDDDD | 0 ~ 10239 | String |
| W | MB | DDDDD | 0 ~ 10239 | Byte Memory |
| W | MW | DDDDD | 0 ~ 10239 | Word Memory |
| W | MD | DDDDD | 0 ~ 10239 | Word Memory |
| W | MW_Odd | DDDDD | 0 ~ 10239 | Word Memory |
| W | T | DDD | 0 ~ 127 | Timer |
| W | C | DDD | 0 ~ 127 | Counter |




- Double word 和 Floating point 数值需使用 VD 设备类型.

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | 8 D- |
| 2 RX+ | 9 Data+ | | 3 D+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Male |
| 1 RX- | 7 Data- | | 8 D- |
| 2 RX+ | 8 Data+ | | 3 D+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V2.30 | Aug/17/2009 | |

SIEMENS S7/200 (Ethernet)

支持系列: Siemens S7/200 Ethernet 系列 PLC
(CPU212/214/215/216/221/222/224/226/226XM)

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------|------|----|
| PLC 类型 | Siemens S7/200 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 102 | | |
| PLC 站号 | 1 | 0-31 | |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|--------|------------|----------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | VW_Bit | DDDDDo | 0 ~ 102397 | V Memory Bit Address |
| W | VW | DDDDD | 0 ~ 10239 | V Memory |
| DW | VD | DDDDD | 0 ~ 10239 | V Memory Double Word |
| W | VW_String | DDDDD | 0 ~ 10239 | String |
| DW | VD_String | DDDDD | 0 ~ 10239 | String |

- Double word 和 Floating point 数值需使用 VD 设备类型.

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Dec/30/2008 | |

SIEMENS S7/200 PPI

支持系列: Siemens S7/200 系列 PLC (CPU212/214/215/216/221/222/224/226/226XM)

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|-----------|--------------------|---------------------|----------------------------------|
| PLC 类型 | SIEMENS S7/200 PPI | | |
| PLC 界面 | RS485 2w | RS485 2w | |
| 传输速率 | 9600 | 9600, 19200, 187.5K | MT6000/8000V2 才有支持 187.5 K 传输速率. |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 2 | 1 ~ 126 | |
| 通讯延时 (毫秒) | 5 | | |
| ACK 讯号延时 | 30 | | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 扩展模式 | YES |
|------|-----|------|-----|

| | | | |
|------|----|--|--|
| 广播命令 | NO | | |
|------|----|--|--|

PLC 设定:

| | |
|--------|--------------------|
| PLC 设定 | PLC 站号不可与 HMI 站号重复 |
|--------|--------------------|

设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|---------------|--------|------------|----------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | VW_Bit | DDDDDo | 0 ~ 102397 | V Memory Bit Address |
| W | VB | DDDDD | 0 ~ 10239 | |
| W | VW | DDDDD | 0 ~ 10239 | V Memory |
| W | VW_Odd | DDDDD | 0 ~ 10239 | V Memory |
| DW | VD | DDDDD | 0 ~ 10239 | V Memory Double Word |
| DW | VD_Odd | DDDDD | 0 ~ 10239 | V Memory Double Word |
| W | VW_String | DDDDD | 0 ~ 10239 | String |
| W | VW_String_Odd | DDDDD | 0 ~ 10239 | String |
| W | VD_String | DDDDD | 0 ~ 10239 | String |
| W | VD_String_Odd | DDDDD | 0 ~ 10239 | String |
| W | MB | DDDDD | 0 ~ 10239 | Byte Memory |
| W | MW | DDDDD | 0 ~ 10239 | Word Memory |
| W | MW_Odd | DDDDD | 0 ~ 10239 | Word Memory |
| W | T | DDD | 0 ~ 127 | Timer |
| W | C | DDD | 0 ~ 127 | Counter |

- Double Word 和 Floating Point 数值需使用 VD 设备类型

多机多屏通讯架构设定:

[PPI]



当欲使用多机多屏的通讯架构于 S7/200 PLC 时，可选择使用 S7/200 PPI 驱动来实现，请参考以下设定。

在 EB8000 的通讯端口设定方面有二项参数需要设定，如下。

通訊埠設定

| | |
|-------------|--------------------------------------|
| 通訊埠：COM 1 | 超時 (秒)：1.0 |
| 傳輸速率：9600 | 通訊延時 (毫秒)：10 |
| 數據位元：8 Bits | ACK 訊號延時 (毫秒)：30 |
| 校驗：Even | 1. 最大站號號碼： 3 |
| 停止位元：1 Bit | 2. Gap update factor (GUF)： 1 |
| | 命令重送次數：0 |

1. [最大站号号码]:

用来设定 PPI 网络上所使用 HMI 的最大站号。

为了让系统运作更有效率，建议 HMI 的站号由 0 开始，并依序编号，假设在 PPI 网络使用 4 台 HMI，则此 4 台站号由 0 到 3 依序编号，并且在[最大站号号码]设定为 3。

HMI 站号请至[系统参数设定] / [HMI 属性] / [HMI 站号]设定，如下图。



2. [Gap update factor(GUF)]:

用来设定 Token 的发送条件，在 PPI 的架构中只有 HMI 拥有 Token 的权利，PLC 纯粹是被动的的一方。

当掌握 Token 的 HMI 与 PLC 的通讯次数等于此项设定值时，此台 HMI 会把 Token(或 PLC 的控制权)传递给下一台 HMI。例如 GUF 设定为 1 时，表示此台 HMI 在读写到某一项地址上的数据后，即把 PLC 的控制权传送给下一台 HMI。

GUF 如设定较大，表示该台 HMI 享有较久时间的 PLC 控制权，而其它 HMI 则可能因迟迟无法得到 Token，造成与 PLC 无法通讯的现象。




注意：所谓一次通讯次数，表示 HMI 成功完成一次读/写 PLC 上的数据的行为






- 使用此架构时需注意 HMI 及 PLC 的站号不可重复。
- 强烈建议 HMI 站号设定由 0 开始, 并依序编号, 以便系统运作更有效率。
- 于 EB8000V4.50 及之后的版本支持此项功能。

接线图:

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | 8 D- |
| 2 RX+ | 9 Data+ | | 3 D+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Male |
| 1 RX- | 7 Data- | | 8 D- |
| 2 RX+ | 8 Data+ | | 3 D+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|------|
| V1.00 | Aug/15/2011 | 新增驱动 |

SIEMENS S7/300

支持系列: Siemens S7/300 系列 PLC

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------|-------------|----------------------------------------|
| PLC 类型 | SIEMENS S7/300 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200, 38400, 187.5K | 9600~187.5K | HMI 后盖贴有 MPI 187.5K 才有支持 187.5 K 传输速率. |
| 校验 | Odd | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 2 | | 需与 PLC 设定相同 |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|-----------|---------------|-------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | DBnBit | FFFFDDDDo | 0 ~ 409681927 | Data Register Bit |

| | | | | |
|----|---------------------|----------|--------------|--------------------------------------------|
| B | DB0Bit ~ DB99Bit | DDDDo | 0 ~ 81927 | |
| W | IW | DDDD | 0 ~ 4095 | Input (I) |
| W | QW | DDDD | 0 ~ 4095 | Output (O) |
| W | MW | DDDD | 0 ~ 4095 | Bit Memory |
| W | MD | DDDD | 0 ~ 4094 | |
| W | MB | DDDD | 0 ~ 4095 | Bit Memory Byte |
| W | DBBn | FFFFDDDD | 0 ~ 40968192 | Data Register Byte |
| W | DBn | FFFFDDDD | 0 ~ 40968192 | Data Register (需为偶数) |
| DW | DBDn | FFFFDDDD | 0 ~ 40968192 | Data Register Double Word (需为 4 的倍数) |
| DW | DBn_String | FFFFDDDD | 0 ~ 40968192 | Data Register Double Word (需为 4 的倍数) |
| DW | DBDn_String | FFFFDDDD | 0 ~ 40968192 | Data Register Double Word (需为 4 的倍数) |
| W | DB0-DB99 | DDDD | 0 ~ 8192 | Data Register (需为偶数) |

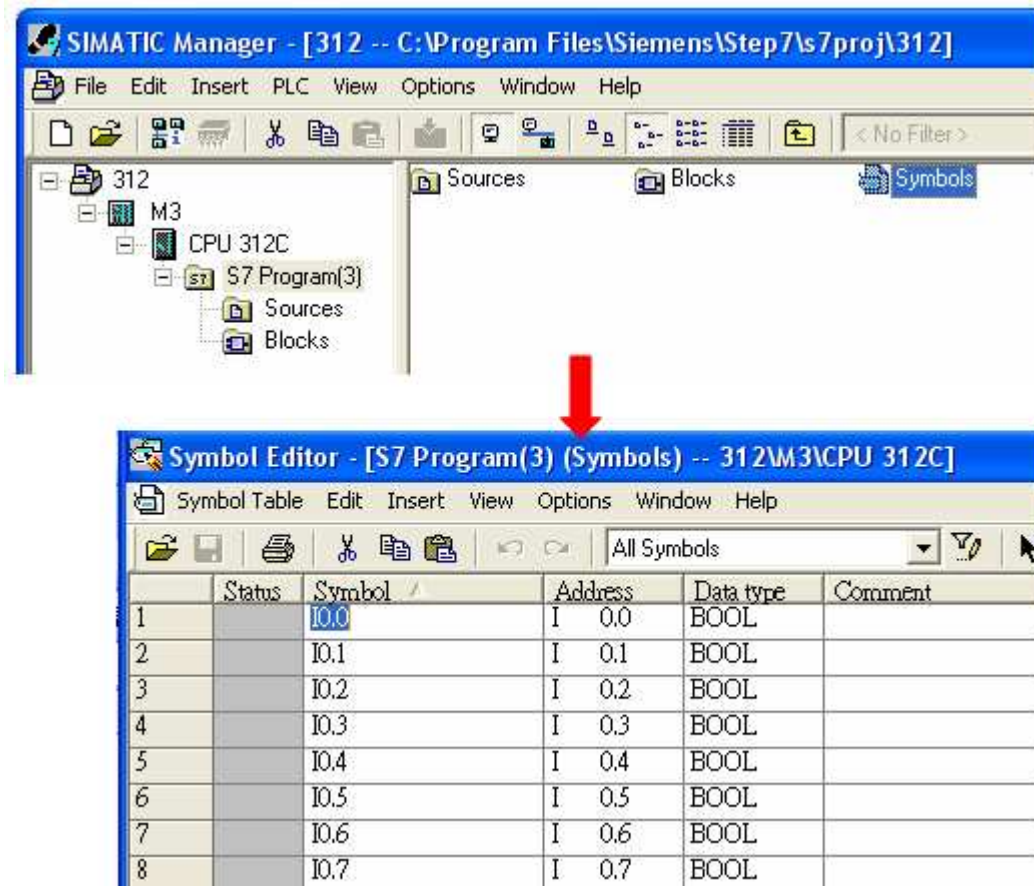
* Double word 和 Floating point 数值需使用 DBDn 设备类型.

如何汇入标签:

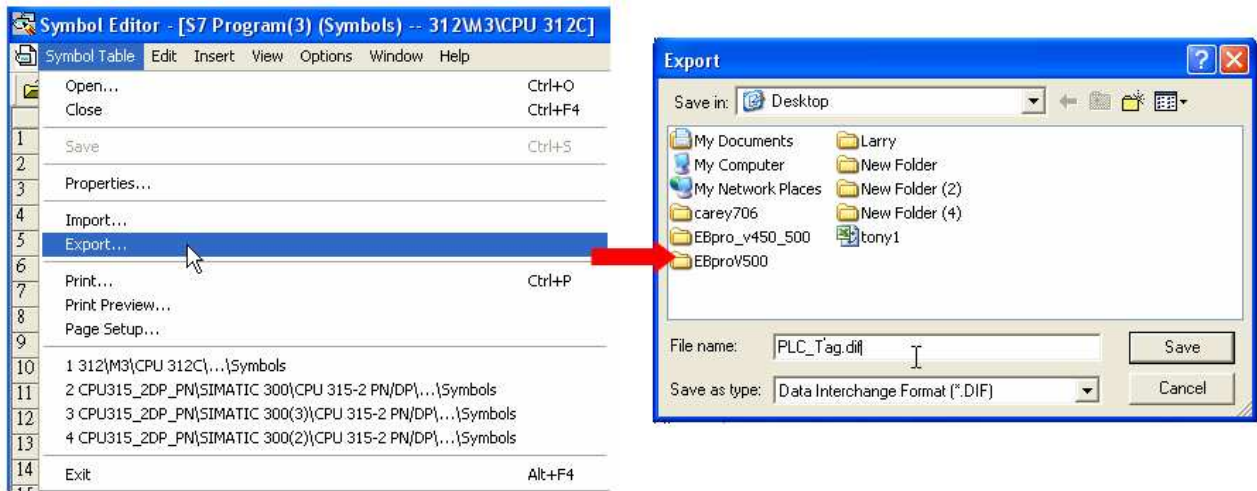
使用者可以利用 SIEMENS 的 STEP 7 程序输出使用者定义卷标档案(.dif 檔以及.AWL 文件),并在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里汇入,以下将介绍如何产生及汇出这两种档案。

1. .dif 檔的建立

a、在 Symbols 里将使用者定义标签先建立完成

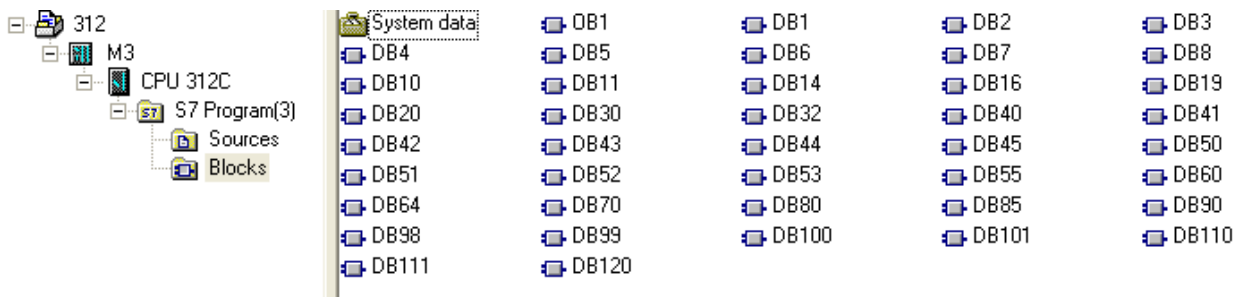


b、接着按 **Export** 就能将编辑好的档案输出,按下 **Save** 储存完毕。



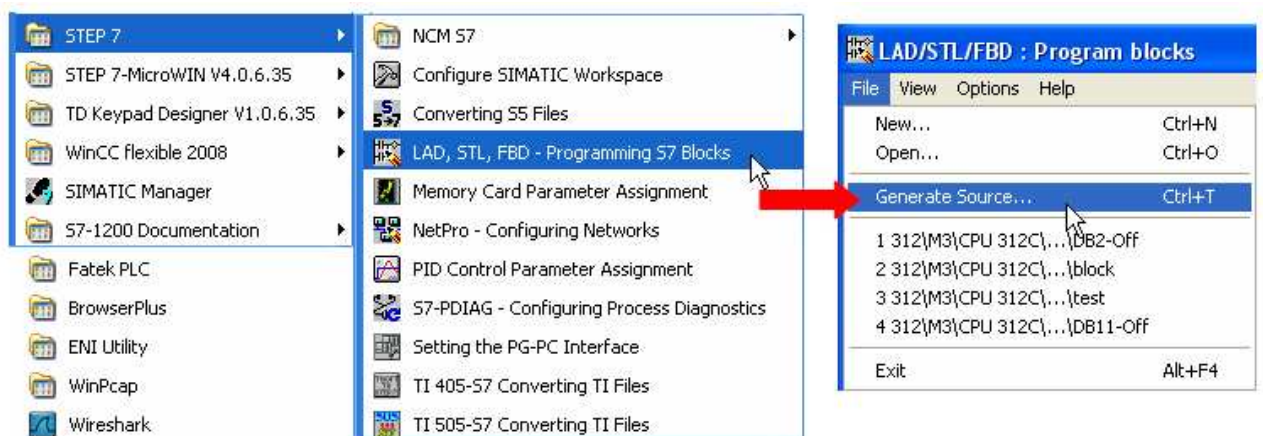
2. .AWF 檔的建立

a、使用者可以在 **Blocks** 里建立对象如下图所示

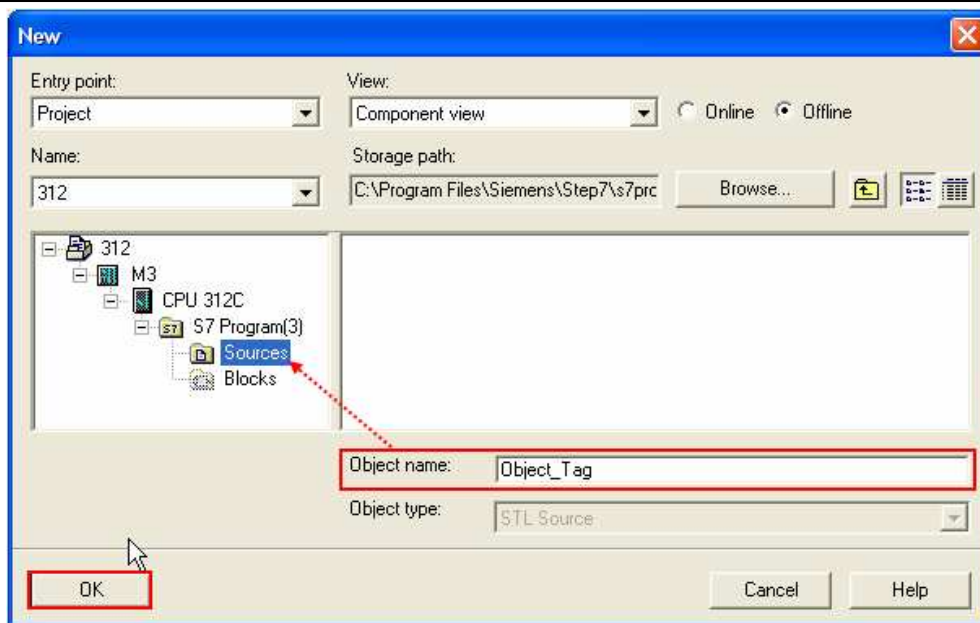


b、开启 **LAD/STL,FBD – Programming S7 Blocks** 的程序后,点选 **File ->**

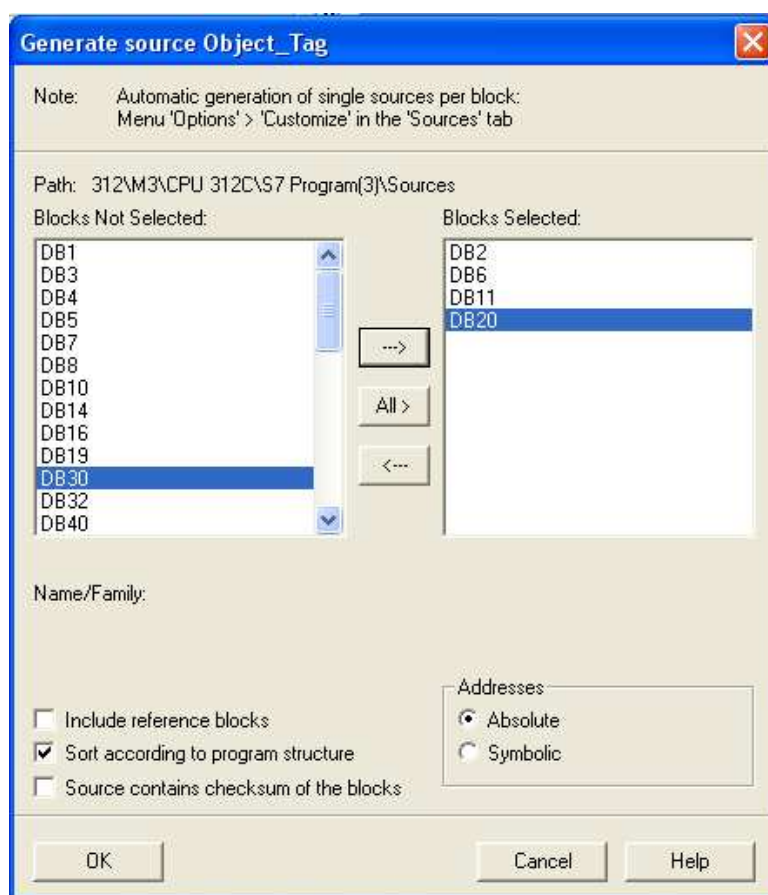
Generate Source



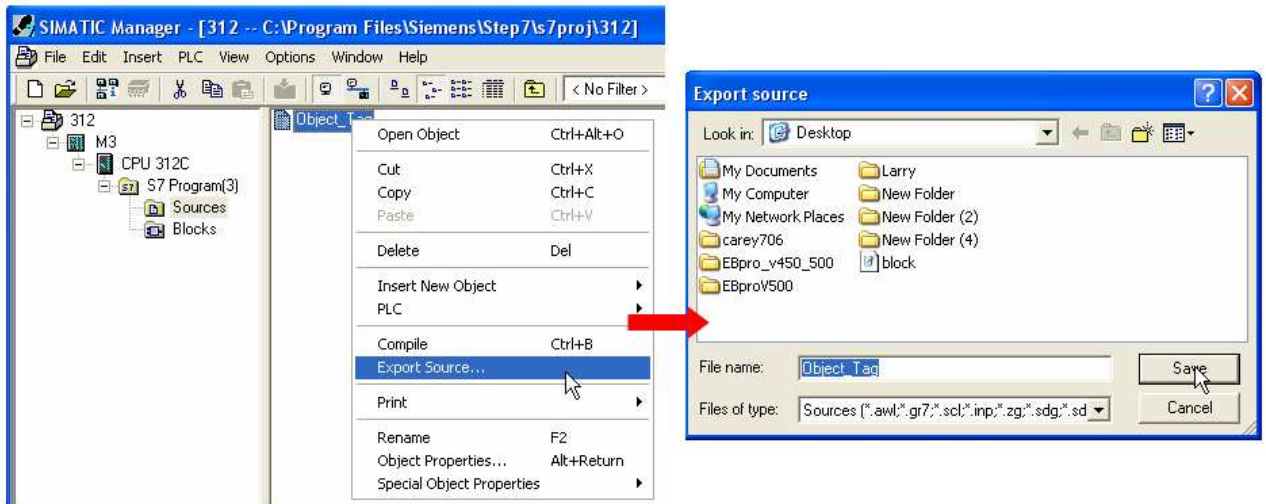
c、选择 **Sources** 储存地址,并输入欲储存的文件名称,按 **OK** 确认完成



d、选择欲汇出的对象后,按 **OK** 确认



e、此时 Sources 会出现方才储存的文件名称,选择 **Export source**,即可成功的产生 AWL 档案



成功产生 dif 及 AWL 档案后,在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里,即可进行汇入标签的步骤







成功汇入卷标会显示对话框如下





接线图:
Siemens S7-300 PC Adapter : 9P D-Sub to 9P D-Sub:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 2 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  |  |  |  | |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | 3 TXD | |
| 6 TX | | | 2 RXD | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  | | |  | |



Systeme Helmholz SSW7-TS : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-------------------------------|-------------------------------|-----------------------------|---------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 2 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
| | | | 4 DTR | circuit |
| | | | 6 DSR | |



MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | 4 DTR |
| | | | 6 DSR |
| | | | circuit |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|------------------|
| V3.10 | May/24/2011 | 新增 MB & DBBn 缓存器 |

SIEMENS S7/300/ET200S (Ethernet)

支持系列: Siemens S7/300 Ethernet 系列 PLC, Ethernet 模块 CP-343-1, CPU315-2 PN/DP, CPU317-2 PN/DP, CPU319-3 PN/DP, ET200S.

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------------|------|----|
| PLC 类型 | SIEMENS S7-300/ET200S (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 102 | | |
| PLC 站号 | 1 | 0-31 | |

设备类型:

| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|----------------|-----------|---------------|------------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | DBnBit | FFFFDDDDo | 0 ~ 409699997 | |
| B | DB0Bit-DB99Bit | DDDDDo | 0 ~ 655327 | Data Register Bit |
| W | IW | DDDD | 0 ~ 4095 | Input (I) |
| W | QW | DDDD | 0 ~ 4095 | Output (O) |
| W | MW | DDDD | 0 ~ 4095 | Bit Memory |
| W | MD | DDDD | 0 ~ 4094 | Bit Memory Double Word |
| W | DBn | FFFFDDDD | 0 ~ 40969999 | Data Register |

| | | | | |
|----|-------------|----------|--------------|-----------------------------------------|
| | | | | (需为偶数) |
| DW | DBDn | FFFFDDDD | 0 ~ 40969999 | Data Register Double Word (需为 4 的倍数) |
| DW | DBn_String | FFFFDDDD | 0 ~ 40969999 | |
| DW | DBDn_String | FFFFDDDD | 0 ~ 40969999 | |
| W | DB0 ~ DB99 | DDDDD | 0 ~ 65532 | Data Register (需为偶数) |
| W | MB | DDDD | 0 ~ 4095 | Bit Memory Byte |
| W | DBBn | FFFFDDDD | 0 ~ 40969999 | Data Register Byte |

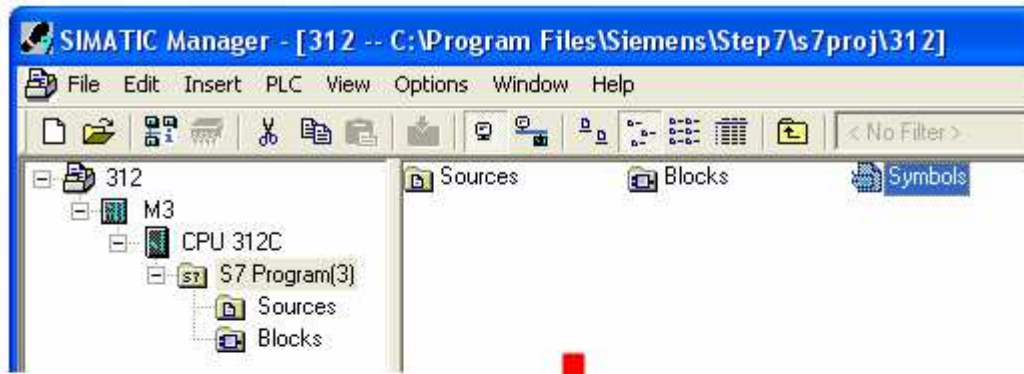
- Double word 和 Floating point 数值需使用 DBDn 设备类型.

如何汇入标签:

使用者可以利用 SIEMENS 的 STEP 7 程序输出使用者定义卷标档案(.dif 檔以及.AWL 文件),并在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里汇入,以下将介绍如何产生及汇出这两种档案。

1. .dif 檔的建立

- 在 Symbols 里将使用者定义标签先建立完成



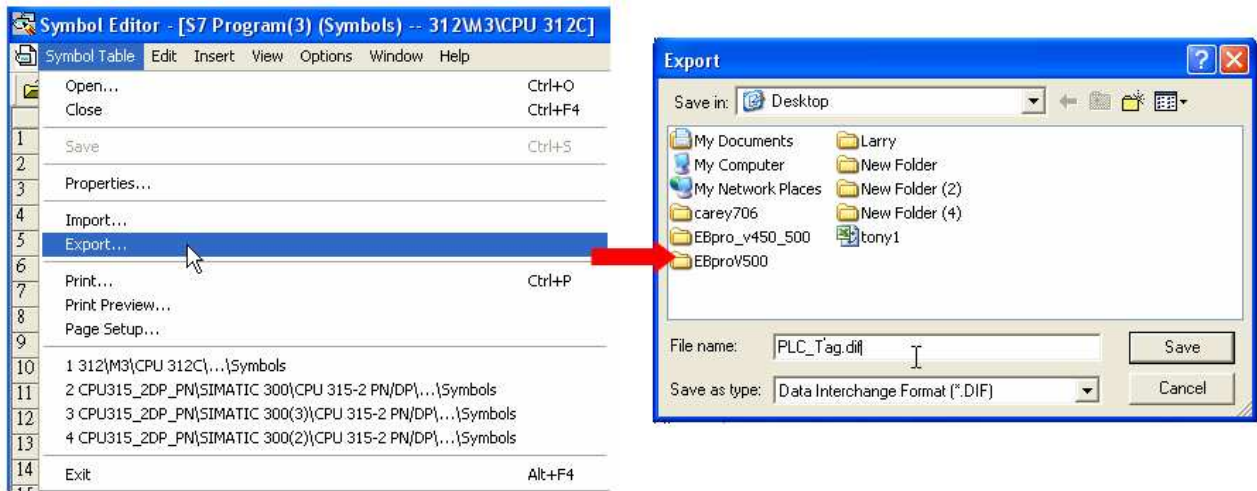
Symbol Editor - [S7 Program(3) (Symbols) -- 312M3\CPU 312C]

Symbol Table Edit Insert View Options Window Help

All Symbols

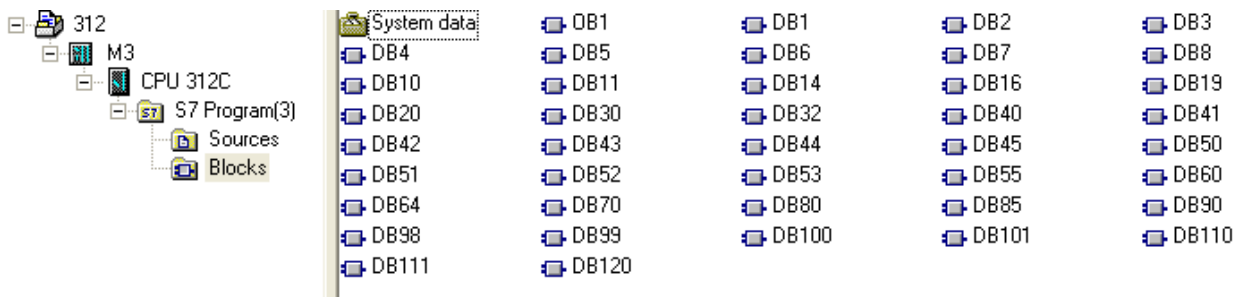
| | Status | Symbol | Address | Data type | Comment |
|---|--------|--------|---------|-----------|---------|
| 1 | | I0.0 | I 0.0 | BOOL | |
| 2 | | I0.1 | I 0.1 | BOOL | |
| 3 | | I0.2 | I 0.2 | BOOL | |
| 4 | | I0.3 | I 0.3 | BOOL | |
| 5 | | I0.4 | I 0.4 | BOOL | |
| 6 | | I0.5 | I 0.5 | BOOL | |
| 7 | | I0.6 | I 0.6 | BOOL | |
| 8 | | I0.7 | I 0.7 | BOOL | |

b、接着按 **Export** 就能将编辑好的档案输出,按下 **Save** 储存完毕。



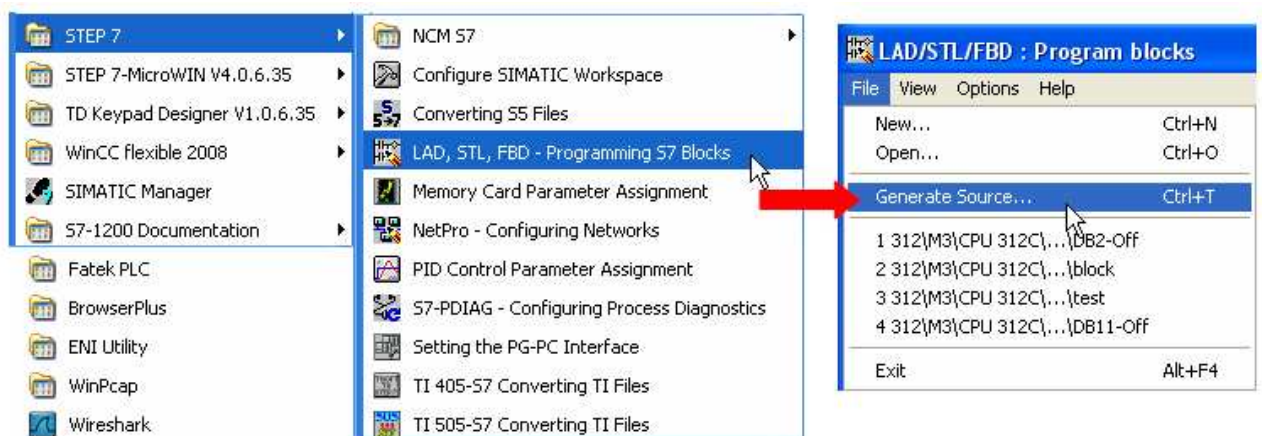
2. .AWF 檔的建立

a、使用者可以在 **Blocks** 里建立对象如下图所示

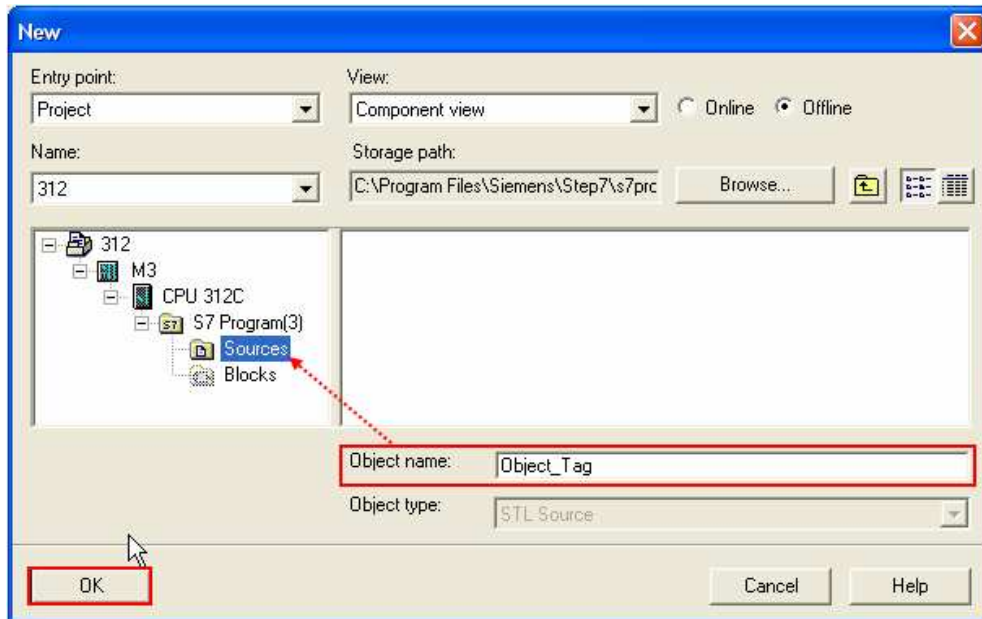


b、开启 **LAD/STL,FBD – Programming S7 Blocks** 的程序后,点选 **File ->**

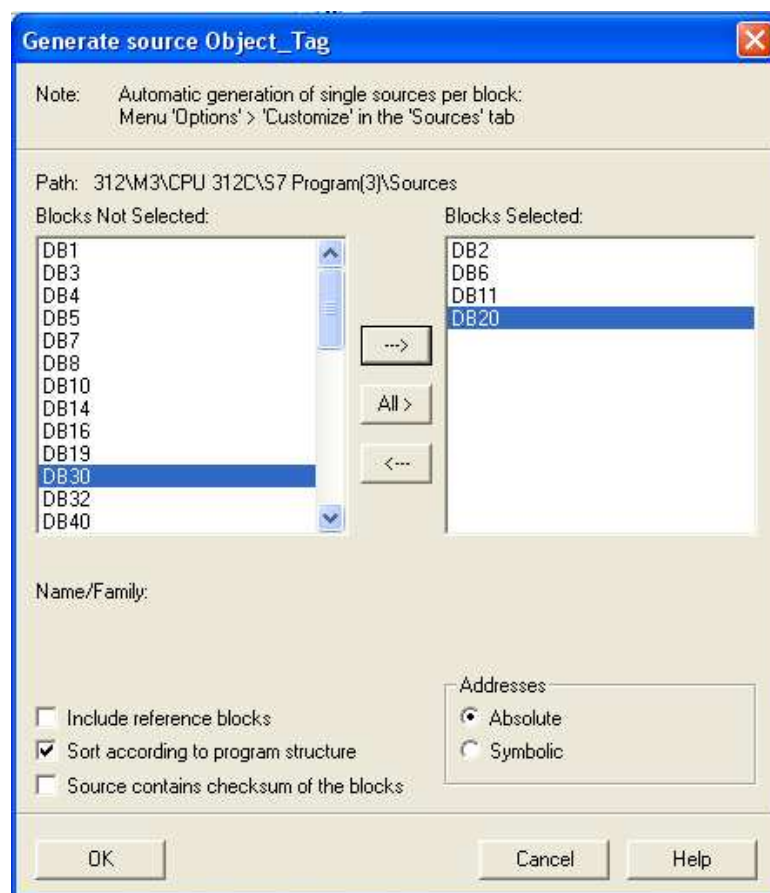
Generate Source



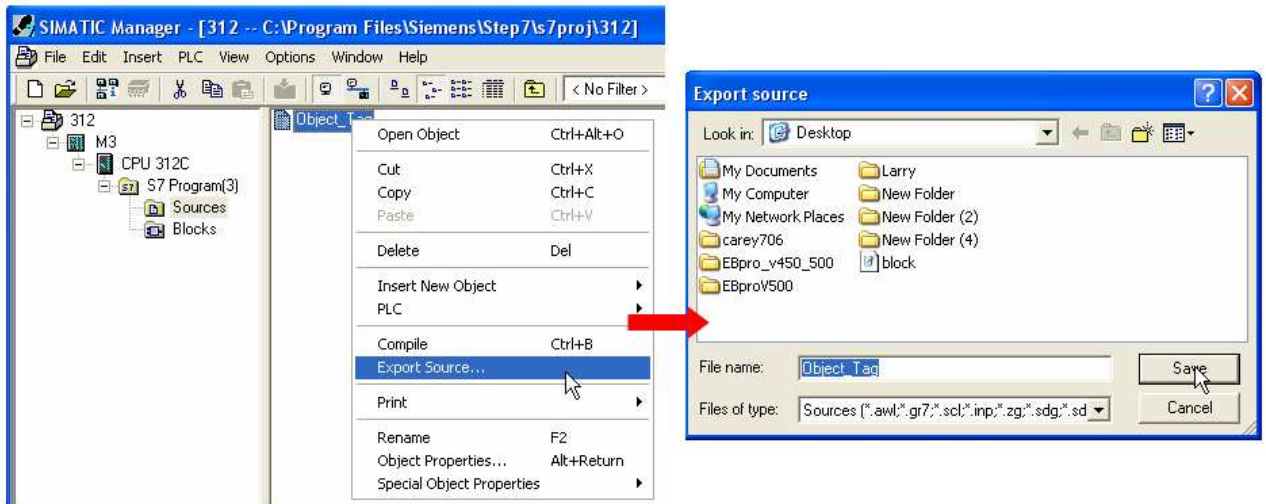
c、选择 **Sources** 储存地址,并输入欲储存的文件名称,按 **OK** 确认完成



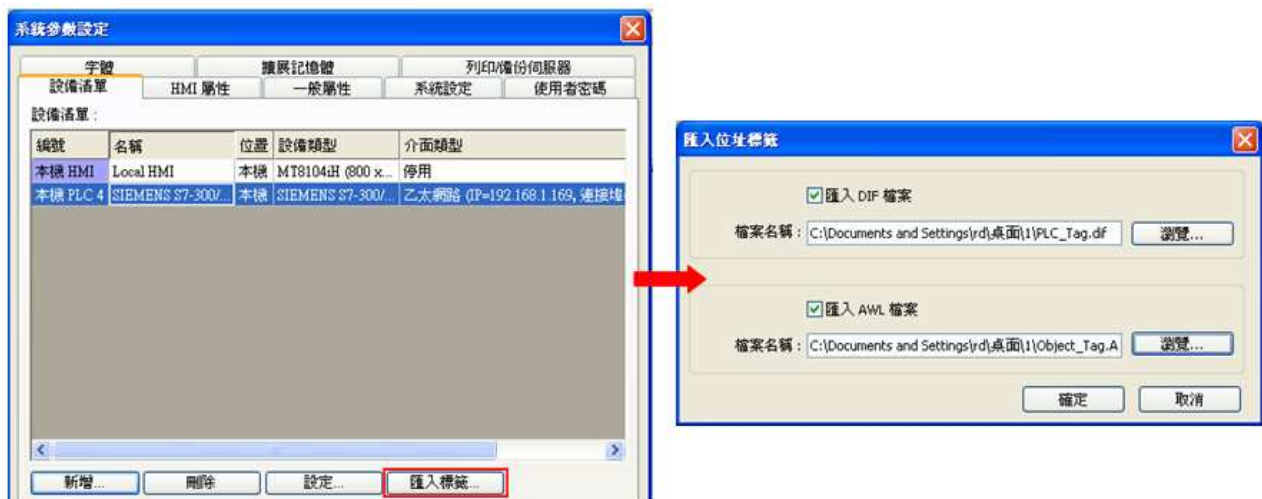
d、选择欲汇出的对象后,按 **OK** 确认



e、此时 Sources 会出现方才储存的文件名称,选择 **Export source**,即可成功的产生 AWL 档案



成功产生 dif 及 AWL 档案后,在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里,即可进行汇入标签的步骤




成功汇入卷标会显示对话框如下



接线图:




直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |

| | | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 8 BD3- | 棕 | 8 BD3- |
|  |  |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|------------------|
| V2.10 | May/21/2011 | 新增 MB & DBBn 缓存器 |

SIEMENS S7/300 MPI

支持系列: Siemens S7-300 系列 PLC.

网站: <http://www.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------|--------|-------------------------------------|
| PLC 类型 | SIEMENS S7-300 MPI | | |
| PLC 界面 | RS-485 2W | | |
| 传输速率 | 187.5K | | HMI 背盖贴有 MPI 187.5K 才有支持 MPI 通讯. |
| 校验 | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 2 | 2 ~ 31 | |

| | | | |
|------|----|------|-----|
| 在线仿真 | NO | 扩展模式 | Yes |
| 广播命令 | NO | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|----|----|----|
|----------|------|----|----|----|

| | | | | |
|---|---------------------|-----------|---------------|--------------------------------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | DBnBit | FFFFDDDDo | 0 ~ 409699997 | Data Register Bit |
| B | DB0Bit ~ DB99Bit | DDDDDo | 0 ~ 655327 | Data Register Bit |
| W | IW | DDDD | 0 ~ 4095 | Input (I) |
| W | QW | DDDD | 0 ~ 4095 | Output (O) |
| W | MW | DDDD | 0 ~ 4095 | Bit Memory |
| W | MD | DDDD | 0 ~ 4094 | |
| W | MB | DDDD | 0 ~ 4095 | Bit Memory Byte |
| W | DBBn | FFFFDDDD | 0 ~ 40969999 | Data Register |
| W | DBn | FFFFDDDD | 0 ~ 40969999 | Data Register (需为偶数) |
| W | DBDn | FFFFDDDD | 0 ~ 40969999 | Data Register Double Word (需为 4 的倍数) |
| W | DBn_String | FFFFDDDD | 0 ~ 40969999 | |
| W | DBDn_String | FFFFDDDD | 0 ~ 40969999 | |
| W | DB0 ~ DB99 | DDDD | 0 ~ 65532 | Data Register (需为偶数) |

* Double word 和 Floating point 数值需使用 DBDn 设备类型.

多机多屏通讯架构设定:



当欲使用 SIEMENS S7-300 MPI 驱动实现多机多屏通讯架构时，使用者需正确设定 [站号最大值 (MPI 网络)]，此设定需考虑各装置的站号。如上示意图，MPI 网络上包含两台 HMI (站号分别为 0, 1) 与两台 PLC (站号分别为 2, 3)，此时站号最大值需设定为 3。

設備屬性

名稱: SIEMENS S7-300 MPI

HMI PLC

所在位置: 本機

PLC 類型: SIEMENS S7-300 MPI
V.1.90, SIEMENS_S7_300_MPI.so

PLC 介面: RS-485 2W

COM: COM1 (187.5K,E,8,1)

PLC 預設站號: 2

預設站號使用站號變數

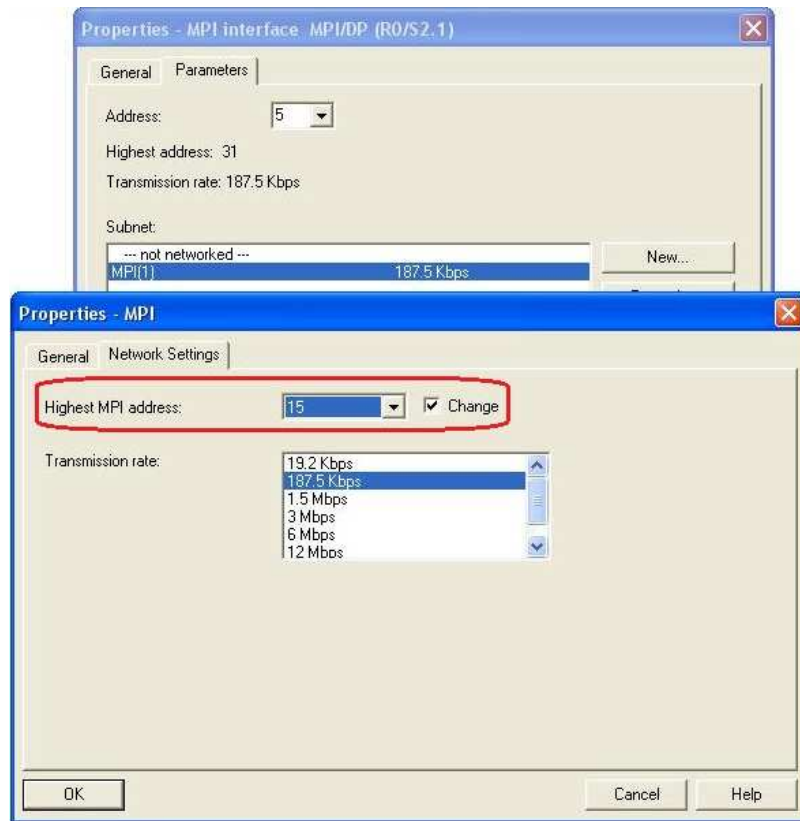
站號最大值 (MPI 網絡): 3

PLC 位址整校間隔 (words): 5

最大讀取字數 (words): 20

最大寫入字數 (words): 20

为了使得通讯更有效率，使用者也可在 STEP 7 设定 PLC 的装置，如下，Properties MPI / Network Settings 页签将 Highest MPI address 选项设为最接近实际装置的站号。



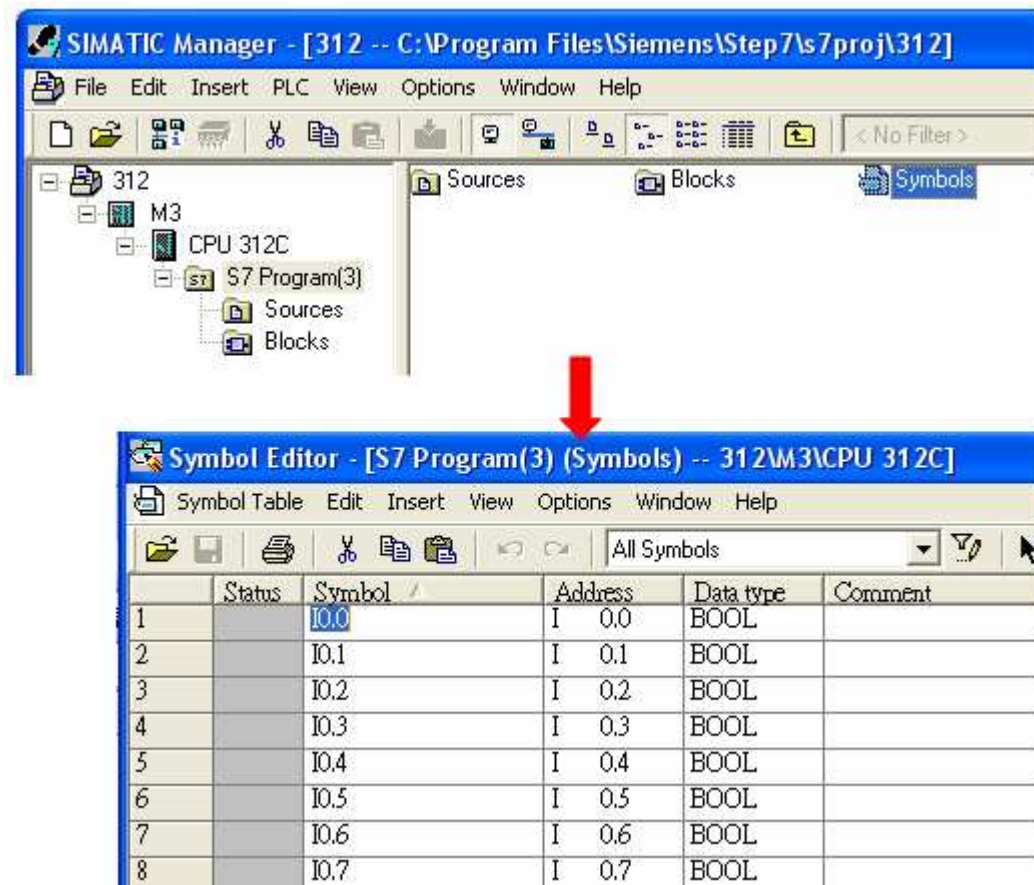
- 使用此架构时需注意 HMI 及 PLC 的站号不可重复。
- 为了让系统运作更有效率，强烈建议网络装置间的站号从 0 开始且尽可能使用为连续数值，并正确设定 [站号最大值]。
- 于 EB8000 V4.50 及之后的版本支持此项功能。

如何汇入标签：

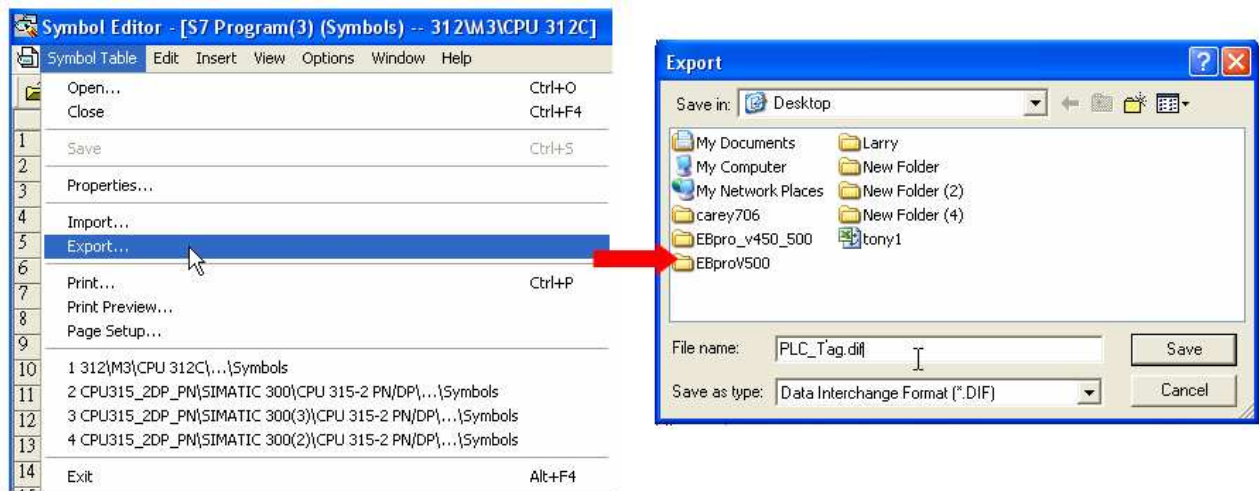
使用者可以利用 SIEMENS 的 STEP 7 程序输出使用者定义卷标档案(.dif 檔以及.AWL 文件),并在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里汇入,以下将介绍如何产生及汇出这两种档案。

1. .dif 檔的建立

a、在 Symbols 里將使用者定義標籤先建立完成

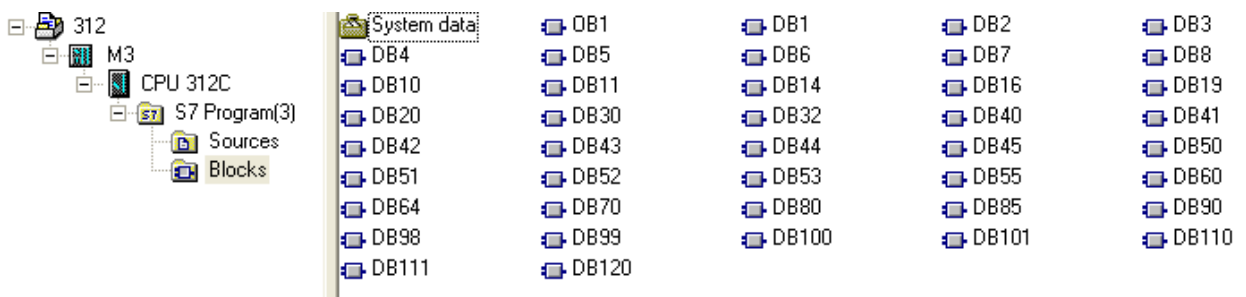


b、接着按 **Export** 就能将编辑好的档案输出,按下 **Save** 储存完毕。



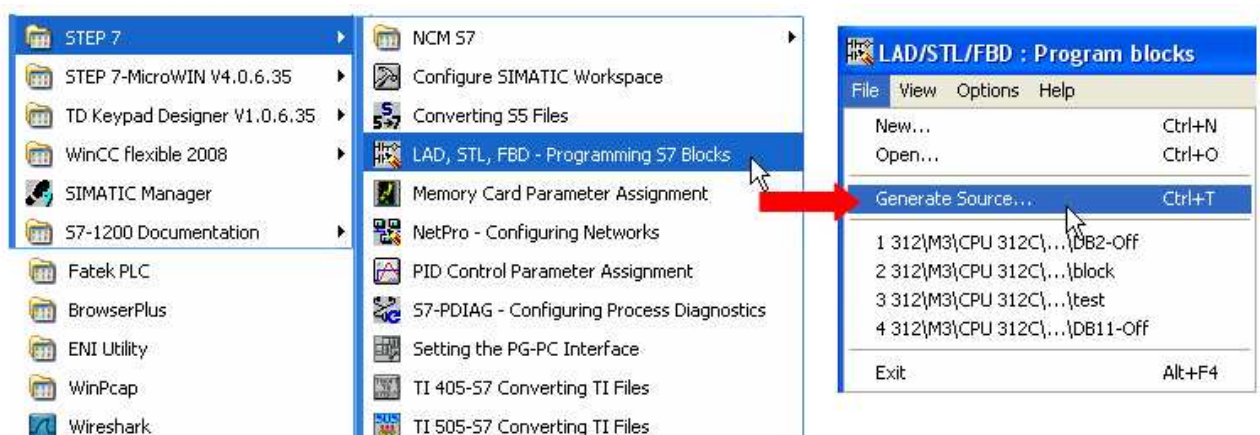
2. .AWF 檔的建立

a、使用者可以在 **Blocks** 里建立对象如下图所示

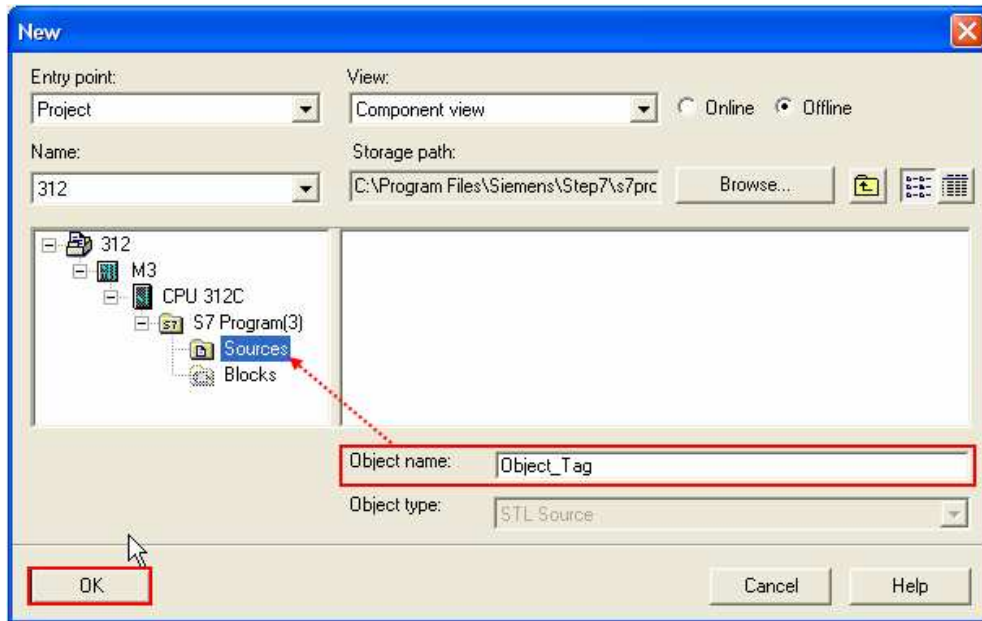


b、开启 **LAD/STL,FBD – Programming S7 Blocks** 的程序后,点选 **File ->**

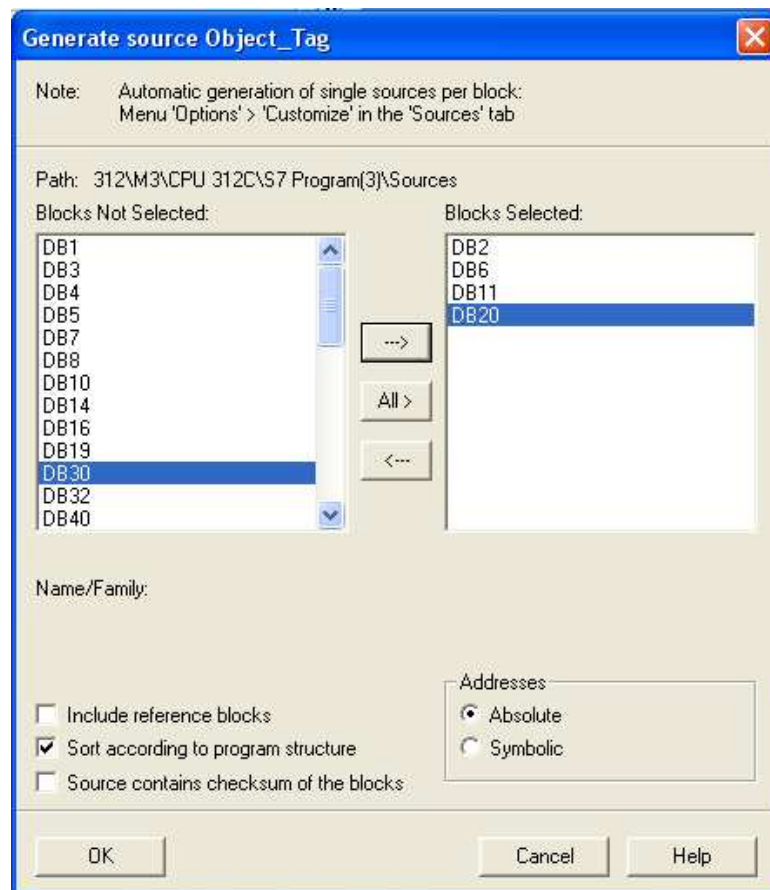
Generate Source



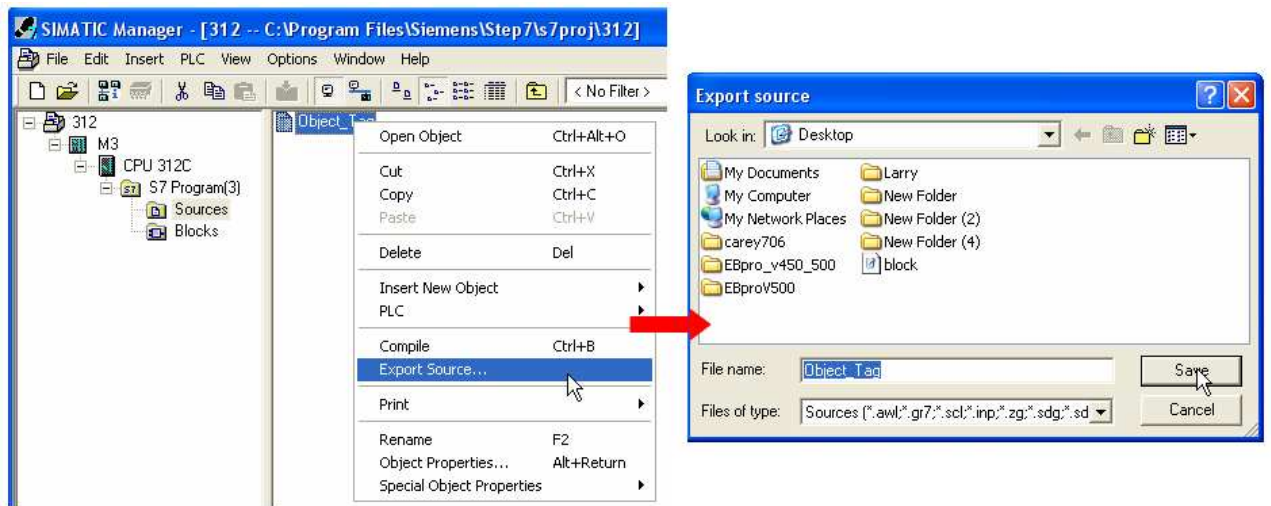
c、选择 **Sources** 储存地址,并输入欲储存的文件名称,按 **OK** 确认完成



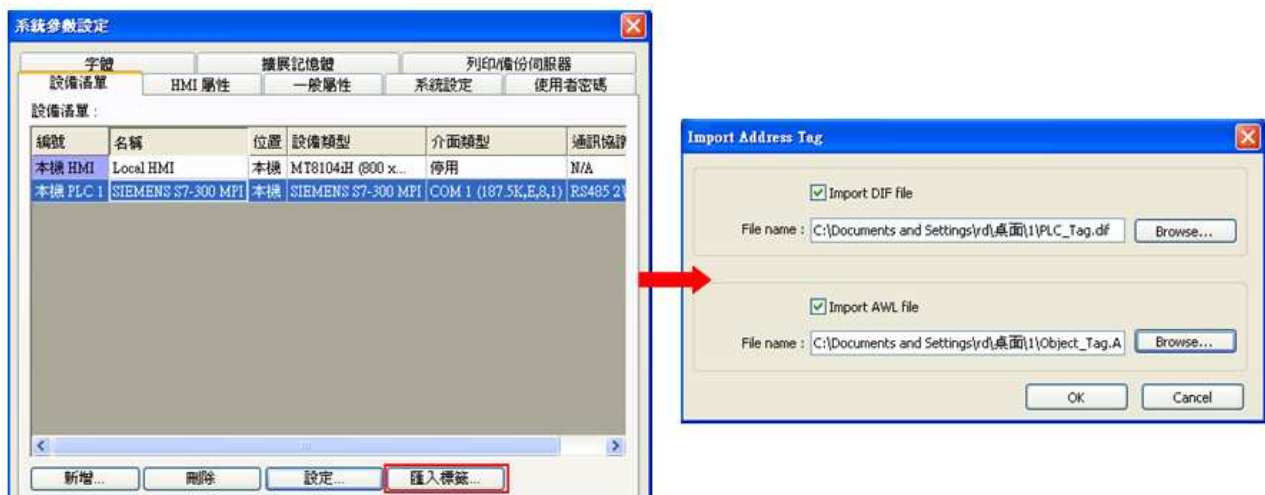
d、选择欲汇出的对象后,按 **OK** 确认



e、此时 Sources 会出现方才储存的文件名称,选择 **Export source**,即可成功的产生 AWL 档案



成功产生 dif 及 AWL 档案后,在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里,即可进行汇入标签的步骤






成功汇入卷标会显示对话框如下






接线图:
S7-200 PPI , S7-300 MPI :RS485 2W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | 8 D- |
| 2 RX+ | 9 Data+ | | 3 D+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Male |
| 1 RX- | 7 Data- | | 8 D- |
| 2 RX+ | 8 Data+ | | 3 D+ |
| 5 GND | 5 GND | | 5 GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------|
| V1.90 | May/26/2011 | 新增 MB & DBBn 缓存器 |
| V2.00 | Aug/11/2011 | i 系列 HMI 支持多机多屏通讯架构 |

SIEMENS S7/400 (Ethernet)

支持系列: Siemens S7/400 Ethernet PLC.

网站: <http://www.ad.siemens.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------|--------|----|
| PLC 类型 | Siemens S7/400 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 102 | | |
| PLC 站号 | 0 | 0-31 | |
| 连结类型 | PG | PC, OP | |
| 机座 | 0 | 0-7 | |
| CPU 插槽 | 3 | 2-31 | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------------|-----------|---------------|-------------------|
| B | I | DDDDo | 0 ~ 40957 | Input (I) |
| B | Q | DDDDo | 0 ~ 40957 | Output (O) |
| B | M | DDDDo | 0 ~ 40957 | Bit Memory |
| B | DBnBit | FFFFDDDDo | 0 ~ 409699997 | |
| B | DB0Bit-DB99Bit | DDDDDo | 0 ~ 655327 | Data Register Bit |
| W | IW | DDDD | 0 ~ 4095 | Input (I) |
| W | QW | DDDD | 0 ~ 4095 | Output (O) |


| | | | | |
|----|-------------|----------|--------------|--------------------------------------------|
| W | MW | DDDD | 0 ~ 4095 | Bit Memory |
| W | MD | DDDD | 0 ~ 4094 | |
| W | DBn | FFFFDDDD | 0 ~ 40969999 | Data Register (需为偶数) |
| DW | DBDn | FFFFDDDD | 0 ~ 40969999 | Data Register Double Word (需为 4 的倍数) |
| DW | DBn_String | FFFFDDDD | 0 ~ 40969999 | |
| DW | DBDn_String | FFFFDDDD | 0 ~ 40969999 | |
| W | DB0 ~ DB99 | DDDD | 0 ~ 65532 | Data Register (需为偶数) |
| W | MB | DDDD | 0 ~ 4095 | Bit Memory Byte |
| W | DBBn | FFFFDDDD | 0 ~ 40969999 | Data Register Byte |

* Double word 和 Floating point 数值需使用 DBDn 设备类型。


接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|--------------------------------------------------------------------------------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

EasyBuilder 设备设定步骤

1. 开启 EasyBuilder Pro, 档案 -> 开新档案, 选择 HMI 机型后, 点选确定。
2. 开启系统参数设定, 新增设备。
3. 选择 “SIEMENS S7-400 (Ethernet)”。
4. 点选 “设定” 按键。
5. 设定 S7-400 IP 地址, 连接端口, 连结类型, 机座和 CPU 插槽。(需与 PLC 设定相同)

IP 位址設定

IP 位址: 192 . 168 . 1 . 10

連接埠: 102

超時 (秒): 1.0 通訊延時 (毫秒): 0

連結類型: PG

CPU 設定

機座 (0~7): 0 CPU 插槽 (1~31): 2

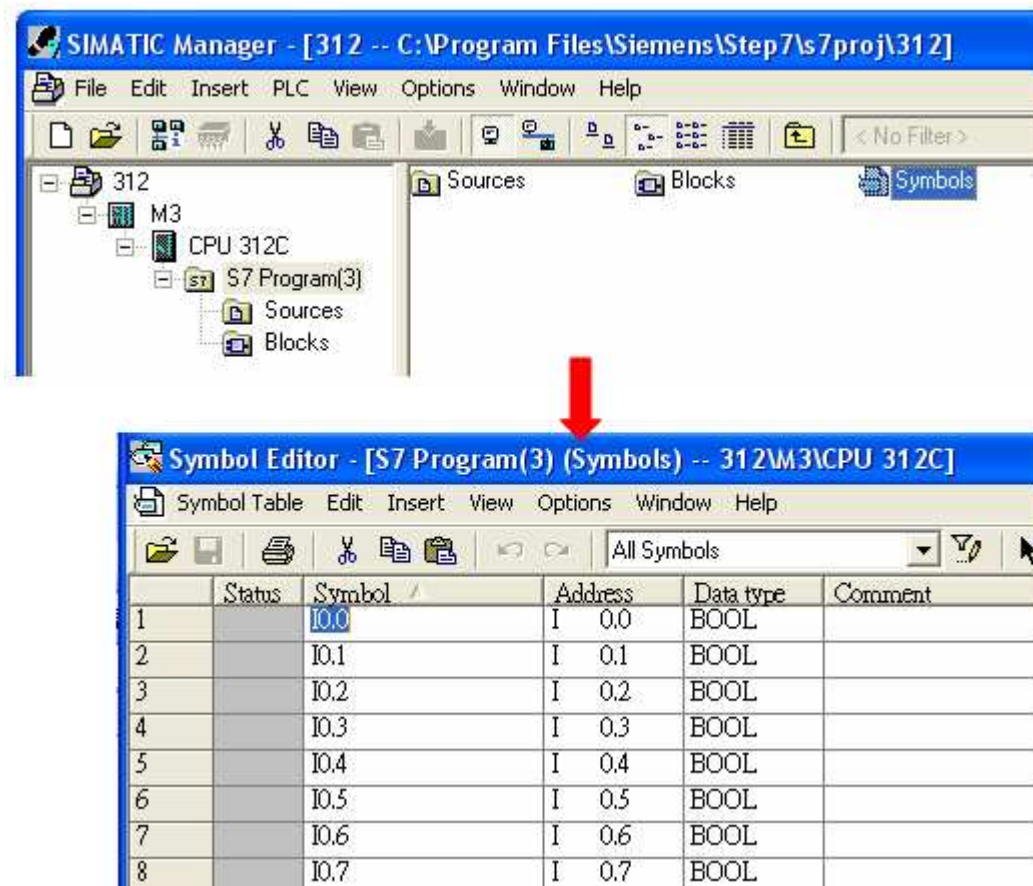
確定 取消

如何汇入标签:

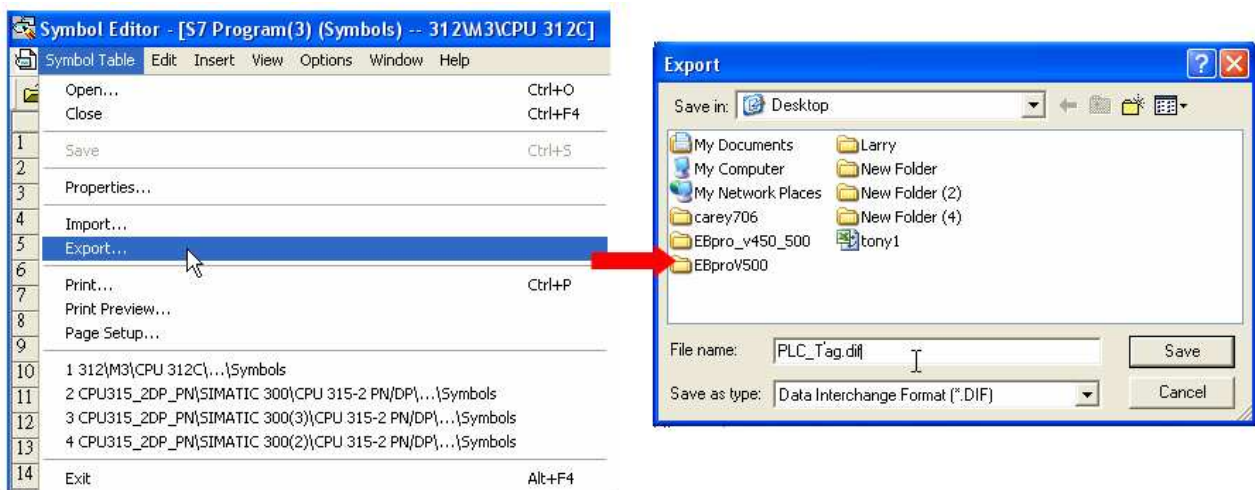
使用者可以利用 SIEMENS 的 STEP 7 程序输出使用者定义卷标档案(.dif 檔以及.AWL 文件),并在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里汇入,以下将介绍如何产生及汇出这两种档案。

1. .dif 檔的建立

a、在 Symbols 里将使用者定义标签先建立完成

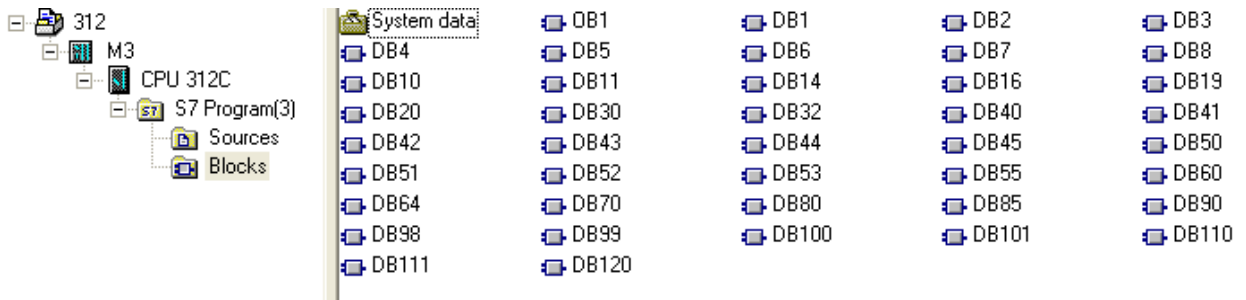


b、接着按 **Export** 就能将编辑好的档案输出,按下 **Save** 储存完毕。



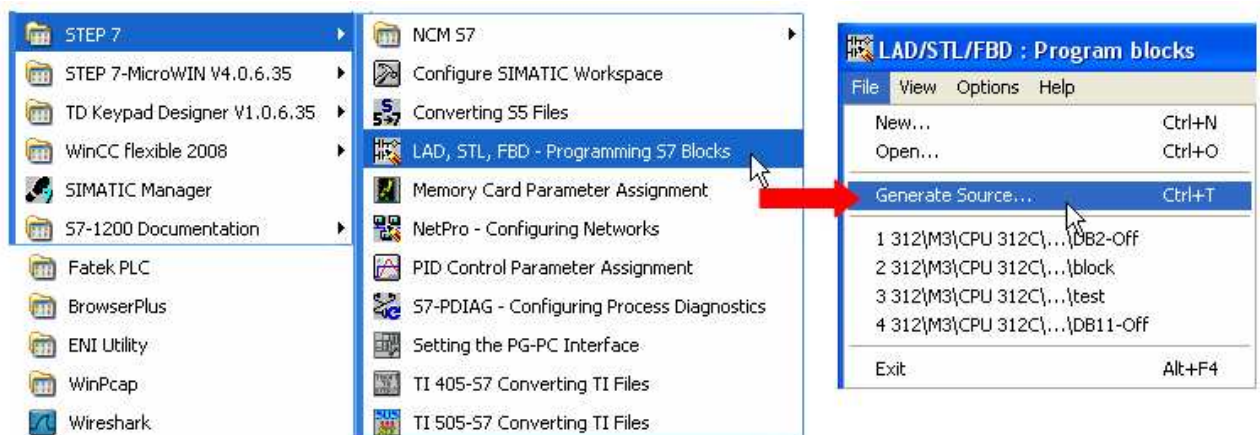
2. .AWF 檔的建立

a、使用者可以在 **Blocks** 里建立对象如下图所示

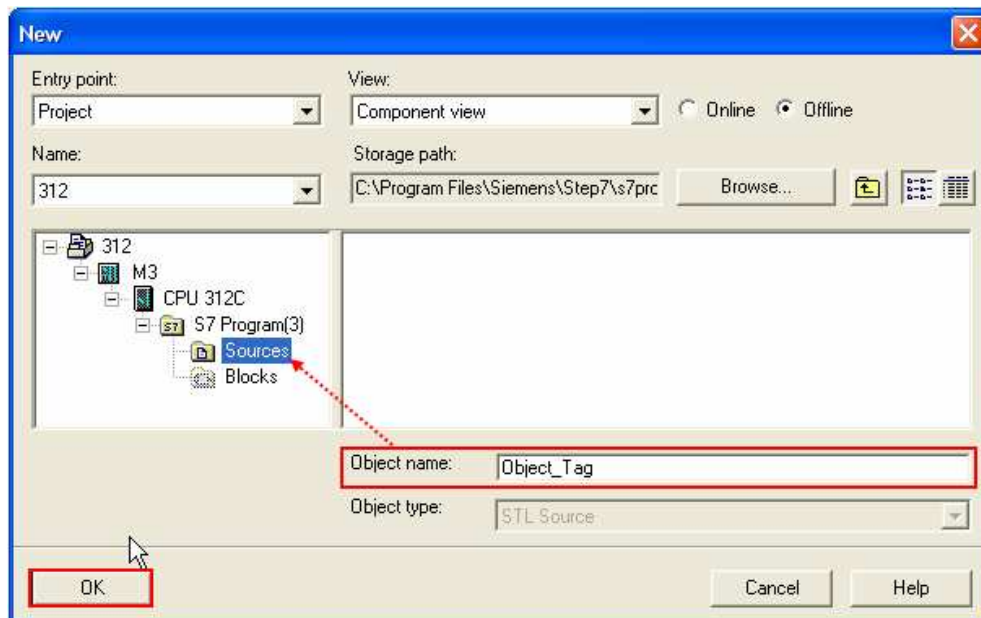


b、 开启 LAD/STL,FBD – Programming S7 Blocks 的程序后,点选 File ->

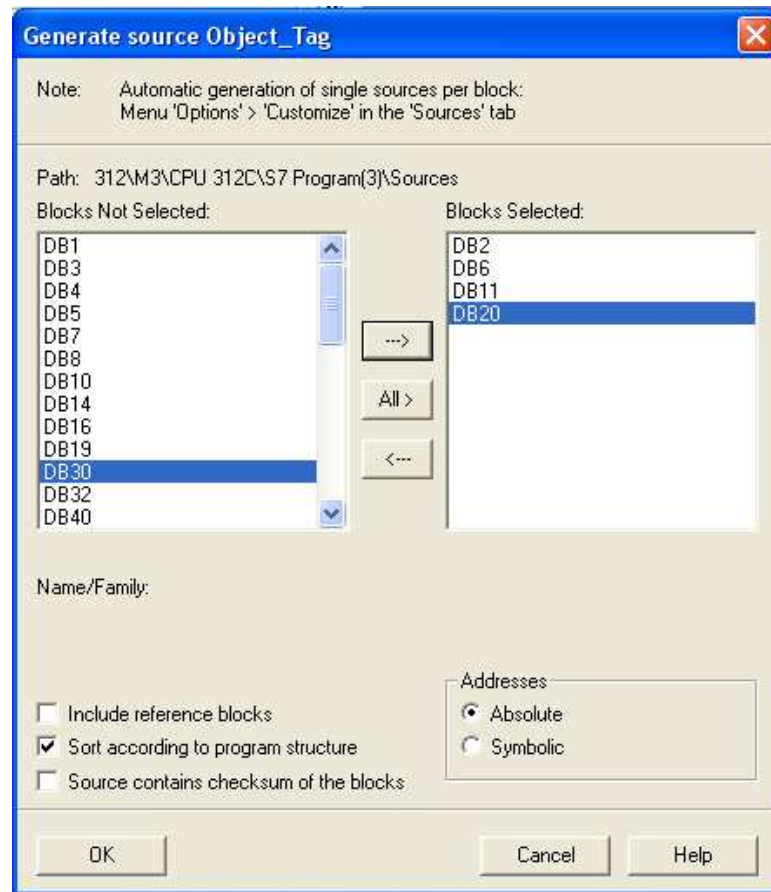
Generate Source



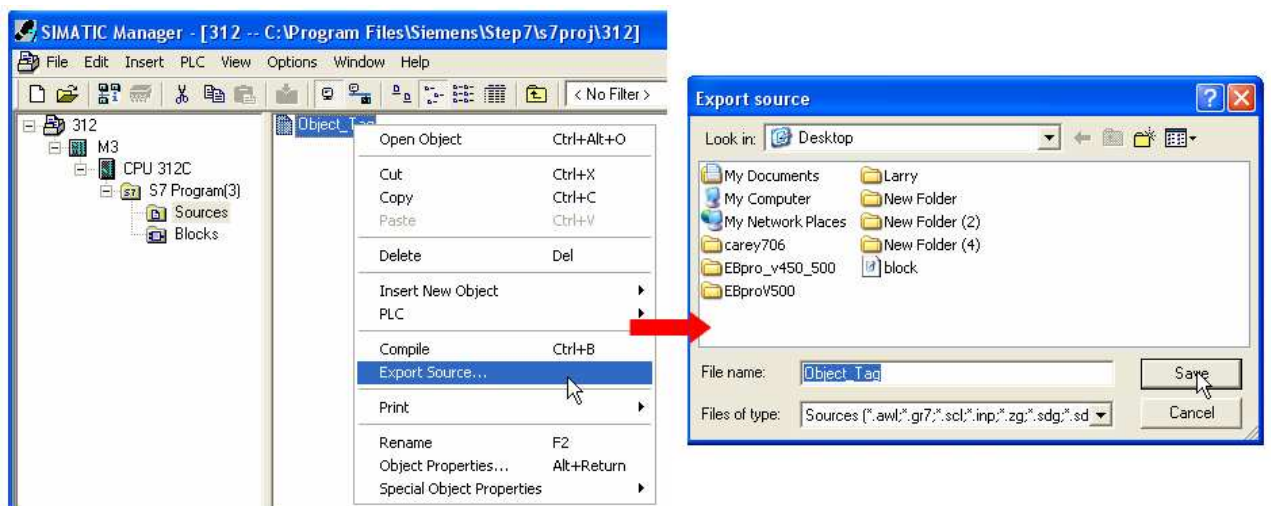
c、 选择 Sources 储存地址,并输入欲储存的文件名称,按 OK 确认完成



d、 选择欲汇出的对象后,按 OK 确认



- e、此时 Sources 会出现方才储存的文件名称,选择 **Export source**,即可成功的产生 AWL 档案



成功产生 dif 及 AWL 档案后,在 EasyBuilder8000/EasyBuilderPro 的系统参数设定里,即可进行汇入标签的步骤



成功匯入卷標會顯示對話框如下



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|------------------|
| V1.40 | May/25/2011 | 新增 MB & DBBn 緩存器 |

SIMATIC TI505

支持系列: SIMATIC TI505 系列 PLCs: TI520, TI525, TI530, TI535, TI545, TI555, TI560,

TI565, TI575. 使用 NITP 通讯协议 (点对点 single master, single slave 格式.)

网站: http://www.ad.siemens.de/simatic/controller/index_76.htm

HMI 设定:





| 参数组名 | 地址 | 选项 | 注释 |
|--------|---------------|--------|-----------|
| PLC 类型 | SIMATIC TI505 | | NITP 通讯协议 |
| PLC 接口 | RS232 | RS232, | |
| 传输速率 | 19200 | 19200 | |
| 校验 | Odd | Odd | |
| 数据位 | 7 | 7 | |
| 停止位 | 1 | 1 | |
| PLC 地址 | 0 | 不强制 | |

设备类型:


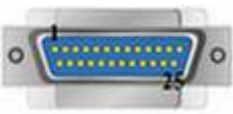
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|------------------------------|
| B | CR | DDDDD | 1 ~ 65535 | Internal Relay |
| B | X | DDDDD | 1 ~ 65535 | Discrete input coils |
| B | Y | DDDDD | 1 ~ 65535 | Discrete output coils |
| W | V | DDDDD | 1 ~ 65535 | User data registers |
| W | STW | DDDDD | 1 ~ 65535 | Status word registers |
| W | TCP | DDDDD | 1 ~ 65535 | Timer/counter preset values |
| W | TCC | DDDDD | 1 ~ 65535 | Timer/counter current values |
| W | WX | DDDDD | 1 ~ 65535 | Word discrete inputs |
| W | WY | DDDDD | 1 ~ 65535 | Word discrete outputs |

接线图：
SIMATIC TI505 RS232 : 9P D-Sub to 25P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 25P D-Sub Male | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|----------------------|---------|
| 2 RX | 6 RX | 8 RX | 2 TXD | |
| 3 TX | 4 TX | 7 TX | 3 RXD | |
| 5 GND | 5 GND | 5 GND | 7 GND | |
|    | | | 4 RTS | circuit |
| | | | 5 CTS | |
| | | | 6 DSR | circuit |
| | | | 8 DCD | |
| | | | 20 DTR | |
|  | | | | |





MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 25P D-Sub Male | |
|---------------------------------------------------------------------------------------|--|--|----------------------|---------|
| 9 RX | | | 2 TXD | |
| 6 TX | | | 3 RXD | |
| 5 GND | | | 7 GND | |
|  | | | 4 RTS | circuit |
| | | | 5 CTS | |
| | | | 6 DSR | circuit |
| | | | 8 DCD | |
| | | | 20 DTR | |
|  | | | | |



SIMATIC TI505 RS232 : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |



| | | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | 7 RTS |
| | | | 8 CTS | 8 CTS |
| | | | 1 DCD | 1 DCD |
| | | | 4 DTR | 4 DTR |
| | | | 6 DSR | |
|  |  |  |  | |

MT6050i/MT8050i



| | | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male | |
| 9 RX | | | 3 TXD | |
| 6 TX | | | 2 RXD | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
| | | | 1 DCD | circuit |
| | | | 4 DTR | |
| | | | 6 DSR | |
|  | | |  | |

SIMATIC TI505 RS485 4W : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
| 1 RX- | | | 7 DO (-) |
| 2 RX+ | | | 1 DO (+) |
| 3 TX- | | | 8 DI (-) |
| 4 TX+ | | | 5 DI (+) |
| 5 GND | | | 6 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Male |
| 1 RX- | | | 7 DO (-) |
| 2 RX+ | | | 1 DO (+) |
| 3 TX- | | | 8 DI (-) |
| 4 TX+ | | | 5 DI (+) |
| 5 GND | | | 6 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Apr/22/2009 | |

SIMATIC TI565/C400

网站: http://www.ad.siemens.de/simatic/controller/index_76.htm

HMI 设定:








| 参数组名 | 地址 | 选项 | 注释 |
|--------|--------------------|--------|----|
| PLC 类型 | SIMATIC TI565/C400 | | |
| PLC 接口 | RS232 | RS232, | |
| 传输速率 | 19200 | 19200 | |
| 校验 | Odd | Odd | |
| 数据位 | 7 | 7 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 0 | 不连接 | |

设备类型:




| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|---------|--------------|------------------------------|
| B | CR | DDDDD | 1 ~ 65535 | Internal Relay |
| B | X | DDDDD | 1 ~ 65535 | Discrete input coils |
| B | Y | DDDDD | 1 ~ 65535 | Discrete output coils |
| B | V_Bit | DDDDDdd | 100~ 6553515 | User data registers |
| W | V | DDDDD | 1 ~ 65535 | User data registers |
| W | STW | DDDDD | 1 ~ 65535 | Status word registers |
| W | TCP | DDDDD | 1 ~ 65535 | Timer/counter preset values |
| W | TCC | DDDDD | 1 ~ 65535 | Timer/counter current values |
| W | WX | DDDDD | 1 ~ 65535 | Word discrete inputs |
| W | WY | DDDDD | 1 ~ 65535 | Word discrete outputs |

接线图:
9P D-Sub to 25P D-Sub: RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 25P D-Sub Male | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|----------------------|---------|
| 2 RX | 6 RX | 8 RX | 2 TXD | |
| 3 TX | 4 TX | 7 TX | 3 RXD | |
| 5 GND | 5 GND | 5 GND | 7 GND | |
|    | | | 4 RTS | circuit |
| | | | 5 CTS | |
| | | | 6 DSR | circuit |
| | | | 8 DCD | |
| | | | 20 DTR | |
|     | | | | |





MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 25P D-Sub Male | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------|---------|
| 9 RX | | | 2 TXD | |
| 6 TX | | | 3 RXD | |
| 5 GND | | | 7 GND | |
|  | | | 4 RTS | circuit |
| | | | 5 CTS | |
| | | | 6 DSR | circuit |
| | | | 8 DCD | |
| | | | 20 DTR | |
|   | | | | |



9P D-Sub to 9P D-Sub: RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-------------------------------|-------------------------------|-----------------------------|---------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |



| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | 1 DCD |
| | | | 4 DTR |
| | | | 6 DSR |
| | | circuit | |
| | | circuit | |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|---------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | 1 DCD |
| | | | 4 DTR |
| | | | 6 DSR |
| | | circuit | |
| | | circuit | |
|  | | |  |



9P D-Sub to 9P D-Sub: RS-485 4W

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
| 1 RX- | | | 7 DO (-) |
| 2 RX+ | | | 1 DO (+) |
| 3 TX- | | | 8 DI (-) |
| 4 TX+ | | | 5 DI (+) |
| 5 GND | | | 6 GND |
|  | | |  |

MT6050i/MT8050i

| | | | |
|---------------|--|--|-------------------|
| COM1 RS485 4W | | | RS485 4W 9P D-Sub |
|---------------|--|--|-------------------|

| 9P D-Sub Female | | | Male |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 1 RX- | | | 7 DO (-) |
| 2 RX+ | | | 1 DO (+) |
| 3 TX- | | | 8 DI (-) |
| 4 TX+ | | | 5 DI (+) |
| 5 GND | | | 6 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Aug/31/2011 | 发布驱动程序 |

TAIAN TP02 Series

支持系列: TAIAN TP02 系列.

网站: <http://www.taian-technology.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|--------------------|------------------------------|
| PLC 类型 | TAIAN TP02 Series | | |
| PLC 界面 | RS485 4W/2W | RS485 4W/2W | MMI 422 埠: 4W; RS485 端子台: 2W |
| 传输速率 | 19200 | 9600, 19200, 38400 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 7 | 7, 8 | |
| 停止位 | 2 | 1, 2 | |
| PLC 站号 | 1 | 0-255 | |

PLC 设定:

RS422 埠: WS041=120, WS042=1;

RS485 端子台: WS044=120, WS045=1.



设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|-------------------------------------------------------------|
| B | X | DDD | 1 ~ 384 | Input relay |
| B | Y | DDD | 1 ~ 384 | Output relay |
| B | C | DDDD | 1 ~ 2048 | Auxiliary relay |
| W | X | DDD | 1 ~ 369 | Input register (must be 1 or a multiple of plus 1) |
| W | Y | DDD | 1 ~ 369 | Output register(must be 1 or a multiple of plus 1) |
| W | V | DDDD | 1 ~ 1024 | Auxiliary register |
| W | D | DDDD | 1 ~ 2048 | Auxiliary register |
| W | WS | DDD | 1 ~ 128 | System register |
| W | C | DDDD | 1 ~ 2033 | Auxiliary relay register(must be 1 or a multiple of plus 1) |
| W | WC | DDD | 1 ~ 912 | Constant register |

接线图:

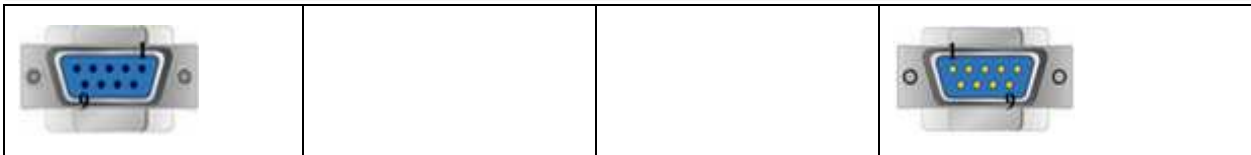
TP02 Series MMI RS422 port : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i



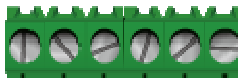
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 1 RX- | | | 8 TX- |
| 2 RX+ | | | 3 TX+ |
| 3 TX- | | | 7 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | |
|  | | |  |

MT6050i/MT8050i




| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Male |
|----------------------------------|--|--|---------------------------|
| 1 RX- | | | 8 TX- |
| 2 RX+ | | | 3 TX+ |
| 3 TX- | | | 7 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | |


TP02 Series RS485 Terminal : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W Terminal |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | T/R- |
| 2 RX+ | 9 Data+ | | T/R+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W Terminal |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 7 Data- | | T/R- |
| 2 RX+ | 8 Data+ | | T/R+ |
| 5 GND | 5 GND | | |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Jan/25/2010 | |

TAIAN TP03 Series

支持系列: TECO (TAIAN TP03) 系列 PLC.

网站: <http://www.teco.com.tw/sa/en/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------|-----------------|----|
| PLC 类型 | TAIAN TP03 Series | | |
| PLC 界面 | RS485 4W | | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 2 | 1 | |
| PLC 站号 | 1 | 1-31 | |



设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| B | C | DDDD | 0 ~ 9999 | |
| B | M | DDDD | 0 ~ 9999 | |
| B | S | DDDD | 0 ~ 9999 | |
| B | T | DDDD | 0 ~ 9999 | |
| B | X | OOO | 0 ~ 377 | |
| B | Y | OOO | 0 ~ 377 | |
| W | D | DDDD | 0 ~ 9999 | |


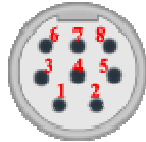
| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|----------|------|----------|----|
| W | V | DDDD | 0 ~ 9999 | |
| W | Z | DDDD | 0 ~ 9999 | |
| W | T_Curent | DDDD | 0 ~ 9999 | |
| W | C_Curent | DDDD | 0 ~ 9999 | |
| W | T_Preset | DDDD | 0 ~ 9999 | |
| W | C_Preset | DDDD | 0 ~ 9999 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 8P Mini-DIN Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 1 RX- | | | 4 TX- |
| 2 RX+ | | | 7 TX+ |
| 3 TX- | | | 1 RX- |
| 4 TX+ | | | 2 RX+ |
| 5 GND | | | 3 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Nov/13/2009 | |

TECO Inverter

支持系列: TECO Inverter 系列, 7300CV 型号.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------|-------------|----|
| PLC 类型 | TECO Inverter | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 38400 | | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|---------|---------------|-------------------------|
| B | 0x | DDDDD | 1 ~ 65535 | Output bit |
| B | 1x | DDDDD | 1 ~ 65535 | Input bit (只读) |
| B | 3x_Bit | DDDDDdd | 100 ~ 6553515 | Input Register bit (只读) |
| B | 4x_Bit | DDDDDdd | 100 ~ 6553515 | Output Register bit |
| B | 6x_Bit | DDDDDdd | 100 ~ 6553515 | |
| B | 0x (0x0f) | DDDDD | 1 ~ 65535 | Write Multiple Coils |
| W | 3x | DDDDD | 1 ~ 65535 | Input Register (只读) |
| W | 4x | DDDDD | 1 ~ 65535 | Output Register |
| DW | 5x | DDDDD | 1 ~ 65535 | 4x double word swap |
| W | 6x | DDDDD | 1 ~ 65535 | 4x single word write |

接线图:



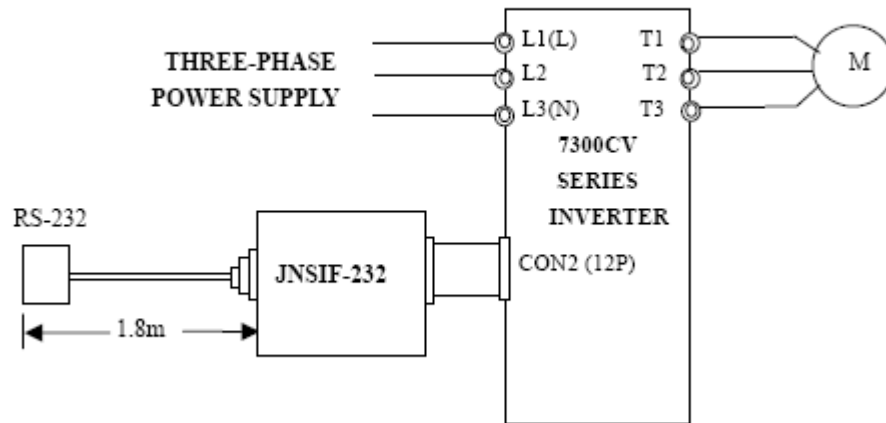
MT8000



JNSIF-232





JNSIF-232 Wiring Diagram:



9P D-Sub to 9P D-Sub:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 2 RX | | | 2 TX |
| 3 TX | | | 3 RX |
| 5 GND | | | 5 GND |
| 7 RTS | | | 7 VCC |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Jul/27/2009 | 发布驱动程序. |

TELEMECANIQUE UniTelway

支持系列: Modicon TSX Micro&Nano&Neza 系列 PLC.

网站: <http://www.modicon.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------------------|-----------------|------------|
| PLC 类型 | TELEMECANIQUE UniTelway | | |
| PLC 界面 | RS485 2W | RS232/RS485 | |
| 传输速率 | 19200 | 9600~115200 | |
| 校验 | Odd | Even, Odd, None | |
| 数据位 | 8 | 7,8 | 此通讯协议需设为 8 |
| 停止位 | 1 | 1, 2 | |
| HMI 站号 | 5 | 1-8 | |
| PLC 站号 | 0 | 0-3 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 扩展模式 | YES |
| 广播命令 | NO | | |

PLC 设定:




| | |
|------|--------------------------------|
| 通讯模式 | UniTelWay 通讯协议, 设 PLC 为 master |
|------|--------------------------------|

设备类型:




| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|---------|-------------|-------------------|
| B | S | DDDDD | 0 ~ 32767 | Internal relay |
| B | M | DDDDD | 0 ~ 32767 | Auxiliary relay |
| B | MW.B | DDDDDdd | 0 ~ 3276715 | Data register bit |
| W | MW | DDDDD | 0 ~ 32767 | Data register |

接线图:
TSX37-XX/TSX07-XX CPU : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 8P Mini-DIN Male |
| 1 RX- | 6 Data- | | 2 D- |
| 2 RX+ | 9 Data+ | | 1 D+ |
| 5 GND | 5 GND | | 7 GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 8P Mini-DIN Male |
| 1 RX- | 7 Data- | | 2 D- |
| 2 RX+ | 8 Data+ | | 1 D+ |
| 5 GND | 5 GND | | 7 GND |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Sep/24/2009 | |

Topvert

支持系列: TOPVERT G1/H1/P1 系列.

网站: <http://www.toptek.biz/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------|----|----|
| PLC 类型 | Topvert | | |
| PLC 界面 | RS485 2W | | |
| 传输速率 | 9600 | | |
| 校验 | None | | |
| 数据位 | 7 | | |
| 停止位 | 2 | | |
| PLC 站号 | 1 | | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | 广播站号 | 0 |

PLC 设定:

| | |
|------|-----------------------------|
| 通讯模式 | Pr 7-15 = 0 (7, N, 2 ASCII) |
|------|-----------------------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|--------|----------|-------------|---------------------------------------------|
| B | PR_Bit | DDDDDDdd | 0 ~ 6553515 | G=Groups, F=Function no. dd=0~15 bit no. |
| W | PR | DDDDD | 0 ~ 65535 | G=Groups, F=Function no. |

Note:

最大读取字数 (words): 16

最大写入字数 (words): 1

G1/H1/P1 系列 Inverter, 若标准参数地址 10 进制 = $100 \times G + F$:




G=Group (参数群组码 0 ~ 9); F=Function no. (参数编号 0 ~ 99)

例如: Pr5-20 (decimal Dec.) 参数地址为 $100 \times 5 + 20 = 520$.

| 参数 (PrX-XX) | 地址 (decimal) |
|-------------|--------------------------|
| 0-00 | $0 \times 100 + 0 = 0$ |
| 0-14 | $0 \times 100 + 14 = 14$ |
| 1-00 | $1 \times 100 + 0 = 100$ |

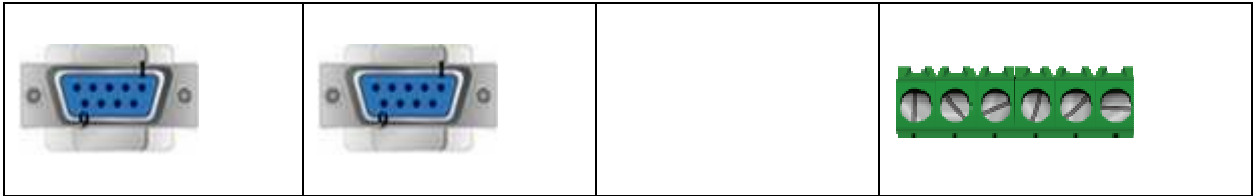
接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W Terminal |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| 1 RX- | 6 Data- | | SG- |
| 2 RX+ | 9 Data+ | | SG+ |
| 5 GND | 5 GND | | |
|  |  | |  |

MT6050i/MT8050i

| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W Terminal |
|----------------------------------|----------------------------------|--|-------------------|
| 1 RX- | 7 Data- | | SG- |
| 2 RX+ | 8 Data+ | | SG+ |
| 5 GND | 5 GND | | |



驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Dec/08/2010 | 发布驱动程序 |

Toshiba T Series

支持系列: Toshiba T 系列, S2E.

网站: <http://www.tic.toshiba.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|-----------------------------------|----|
| PLC 类型 | Toshiba T Series | | |
| PLC 界面 | RS232 | RS232/RS485 | |
| 传输速率 | 9600 | 9600, 19200, 38400, 57600, 115200 | |
| 校验 | Odd | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1, 2 | |
| PLC 站号 | 0 | 0-255 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 扩展模式 | YES |
|------|-----|------|-----|

PLC 设定:





| | |
|------|---------------|
| 通讯模式 | 需设定 PLC 节点 ID |
|------|---------------|

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|--------------------|
| B | X | DDDDh | 0 ~ 4095f | Input Bit |
| B | Y | DDDDh | 0 ~ 4095f | Output Bit |
| B | R | DDDDh | 0 ~ 8191f | Auxiliary Bit |
| B | S | DDDDh | 0 ~ 4095f | Special Bit |
| B | L | DDDDh | 0 ~ 4095f | |
| B | Z | DDDDh | 0 ~ 8191f | |
| W | T | DDD | 0 ~ 999 | Timer Register |
| W | C | DDD | 0 ~ 511 | Counter Register |
| W | D | DDDD | 0 ~ 8191 | Data Memory |
| W | SW | DDD | 0 ~ 255 | Special Register |
| W | XW | DDD | 0 ~ 255 | Input Register |
| W | YW | DDD | 0 ~ 255 | Output Register |
| W | RW | DDD | 0 ~ 999 | Auxiliary Register |
| W | LW | DDD | 0 ~ 255 | |
| W | W | DDDD | 0 ~ 1023 | |
| W | F | DDDD | 0 ~ 8191 | |



接线图:
Toshiba T1 PRG RS232 : 9P D-Sub to 8P Mini-DIN

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P Mini-DIN Male | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 6 TXD | |
| 3 TX | 4 TX | 7 TX | 8 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 4 RTS | circuit |
| | | | 7 CTS | |
|  |  |  |  | |





MT6050i/MT8050i

| | | | |
|-------------------------------|--|--|---------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 8P Mini-DIN Male |
|-------------------------------|--|--|---------------------------|



| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 9 RX | | | 6 TXD |
| 6 TX | | | 8 RXD |
| 5 GND | | | 5 GND |
| | | | 4 RTS |
| | | | 7 CTS |
| | | | circuit |
|  | | |  |

Toshiba T2 PRG RS232 : 9P D-Sub to 9P D-Sub

MT6000/8000 series except MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i



| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | circuit |
|  | | |  |

Toshiba T2 LINK Port RS485 4W : 9P D-Sub to 15P D-Sub

MT6000/8000 series except MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 15P D-Sub Male |
| 1 RX- | | | 11 TXB |
| 2 RX+ | | | 3 TXA |
| 3 TX- | | | 10 RXB |
| 4 TX+ | | | 2 RXA |
| 5 GND | | | 7 SG |
| | | | 5 RTSA |
| | | | 4 CTSA |
| | | | 13 RTSB |
| | | | 12 CTSB |
| | | | circuit |
| | | | circuit |
|  | | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 15P D-Sub Male |
| 1 RX- | | | 11 TXB |
| 2 RX+ | | | 3 TXA |
| 3 TX- | | | 10 RXB |
| 4 TX+ | | | 2 RXA |
| 5 GND | | | 7 SG |
| | | | 5 RTSA |
| | | | 4 CTSA |
| | | | 13 RTSB |
| | | | 12 CTSB |
| | | | circuit |
| | | | circuit |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------------------------------------|
| V1.10 | May/13/2011 | TOSHIBA T 系列驱动可以正确读写“L”,“LW”,“F”地址类型. |

Toshiba TC mini Series

支持系列: TOSHIBA MACHINE CO., JAPAN

网站: <http://www.toshiba-machine.co.jp>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-----------------|----|
| PLC 类型 | Provisor TC200 | | |
| PLC 界面 | RS232 | RS232 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | None | Even, Odd, None | |
| 数据位 | 8 | 7,8 | |
| 停止位 | 1 | 1, 2 | |





设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|------|----------|------------------|
| B | R_bit | HHHh | 0 ~ ffff | h : Bit no.(0~f) |
| B | X_bit | HHHh | 0 ~ ffff | h : Bit no.(0~f) |
| B | Y_bit | HHHh | 0 ~ ffff | h : Bit no.(0~f) |
| B | L_bit | HHHh | 0 ~ ffff | h : Bit no.(0~f) |
| W | P | HHH | 0 ~ fff | |
| W | V | HHH | 0 ~ fff | |
| W | X | HHH | 0 ~ fff | |
| W | Y | HHH | 0 ~ fff | |
| W | D | HHH | 0 ~ fff | |



| | | | | |
|---|---|-----|---------|--|
| W | R | HHH | 0 ~ fff | |
| W | L | HHH | 0 ~ fff | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | TC mini series RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 2 TXD | |
| 3 TX | 4 TX | 7 TX | 3 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 9 CTS | |
|  |  |  |  | |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | TC mini series RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | 2 TXD | |
| 6 TX | | | 3 RXD | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 9 CTS | |
|  | | |  | |

Toshiba VF-S11

支持系列: Toshiba Invertor 通讯协议 (ASCII code).

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-----------------|----|
| PLC 类型 | Toshiba VF-S11 | | |
| PLC 界面 | RS485 2W | RS422, RS485 | |
| 传输速率 | 9600 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| PLC 站号 | 0 | 0-99 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 扩展模式 | YES |
| 广播命令 | YES | | |

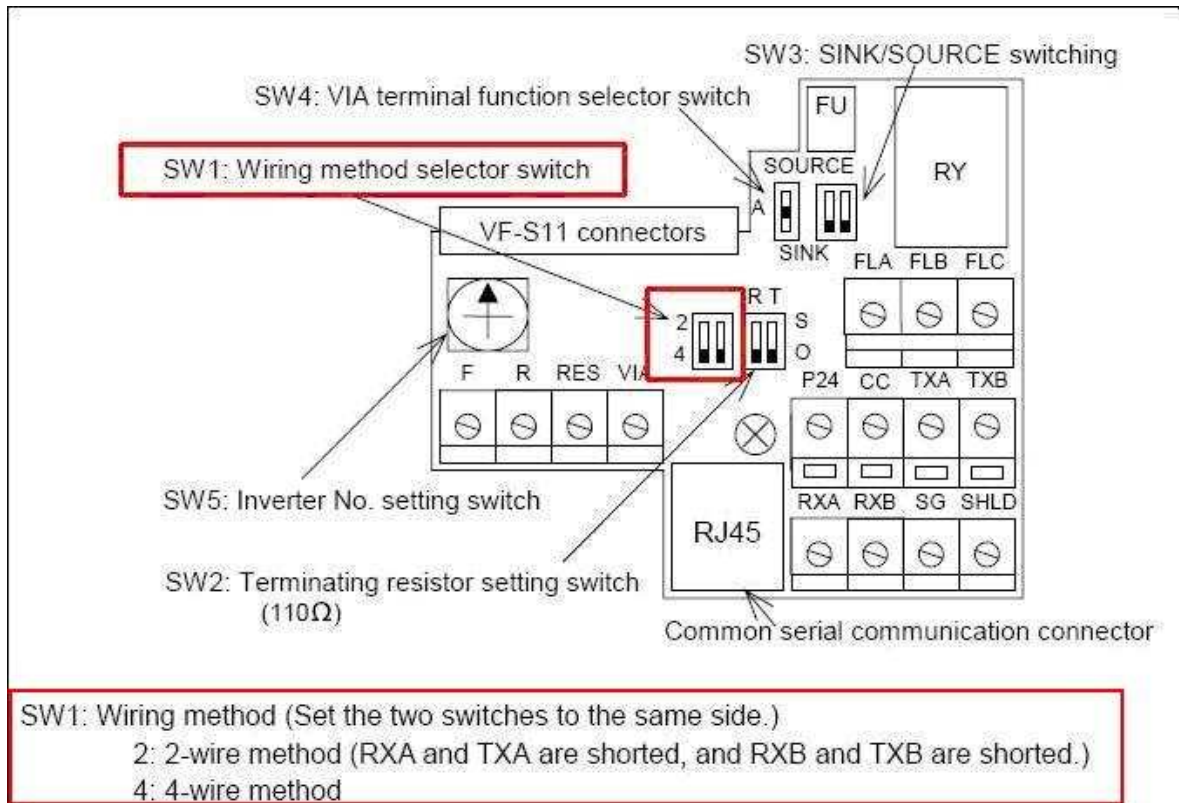
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|--------|------------|-------------------------|
| B | Cmd. No B | HHHHdd | 0 ~ 270f15 | |
| W | Cmd. No | HHHH | 0 ~ ffff | parameter & data memory |

接线图:

注意:

在连接 VF-S11 之前, 请确认已将 SW1 指拨开关拨至相关位置. (SW1: Wiring method selector switch)






MT6000/8000 series except MT6050i/MT8050i

| | | | |
|--------------------------------|--------------------------------|--|--------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 8P RJ45 Male |
| 1 RX- | 6 Data- | | 5 Data- |
| 2 RX+ | 9 Data+ | | 4 Data+ |
| 5 GND | 5 GND | | 8 Gnd |
| | | | |

MT6050i/MT8050i

| | | | |
|----------------------------------|----------------------------------|--|--------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 8P RJ45 Male |
| 1 RX- | 7 Data- | | 5 Data- |
| 2 RX+ | 8 Data+ | | 4 Data+ |

| | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| 5 GND | 5 GND | | 8 Gnd |
|  |  | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Aug/31/2009 | |

Trio (MODBUS RTU, TCP/IP)

网站: <http://www.triomotion.com>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------|----------------------|----|
| PLC 类型 | Trio (MODBUS RTU, TCP/IP) | | |
| PLC 界面 | RS485 | RS232/RS485/Ethernet | |
| 传输速率 | 9600 | 9600~115200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 7, 8 | |
| 停止位 | 1 | 1, 2 | |
| 连接埠 | 502 | | |
| PLC 站号 | 1 | 0-255 | |

| | | | |
|------|-----|------|-----|
| 在线仿真 | YES | 广播命令 | YES |
| 扩展模式 | YES | | |

PLC 设定:





| | |
|------|-----------------|
| 通讯模式 | Modbus RTU 通讯协议 |
|------|-----------------|

设备类型:



| Bit/Word | 设备 类型 | 格式 | 范围 | 注释 |
|----------|-----------|---------|-------------|----|
| B | VR_Bit | DDDDdd | 0 ~ 102315 | |
| B | Table_Bit | DDDDDdd | 0 ~ 3199915 | |
| W | VR | DDDD | 0 ~ 1023 | |
| W | Table | DDDDD | 0 ~ 31999 | |

接线图：
Trio : RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | TXD | |
| 3 TX | 4 TX | 7 TX | RXD | |
| 5 GND | 5 GND | 5 GND | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  |  |  |  | |



MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | TXD | |
| 6 TX | | | RXD | |
| 5 GND | | | GND | |
| | | | RTS | circuit |
| | | | CTS | |
|  | | |  | |



Trio : RS485 4W

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS485 4W 9P D-Sub Male | | | RS485 4W 9P D-Sub Male |
|--------------------------------|--|--|---------------------------|
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
|  | | |  |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|

MT6050i/MT8050i




| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS485 4W 9P D-Sub Female | | | RS485 4W 9P D-Sub Male |
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | GND |
|  | | |  |

Trio : RS485 2W

MT6000/8000 series except MT6050i/MT8050i


| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Male | COM3 RS485 2W 9P D-Sub Male | | RS485 2W 9P D-Sub Male |
| 1 RX- | 6 Data- | | D- |
| 2 RX+ | 9 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |

MT6050i/MT8050i

| | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| COM1 RS485 2W 9P D-Sub Female | COM3 RS485 2W 9P D-Sub Female | | RS485 2W 9P D-Sub Male |
| 1 RX- | 7 Data- | | D- |
| 2 RX+ | 8 Data+ | | D+ |
| 5 GND | 5 GND | | GND |
|  |  | |  |


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | May/27/2011 | 发布驱动程序. |

VIGOR

支持系列: VIGOR M 系列 & VB 系列.

网站: <http://www.vigorplc.com.tw/>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------|-------------------------|----|
| PLC 类型 | VIGOR | | |
| PLC 界面 | RS232 | RS232, RS485 4wires, | |
| 传输速率 | 19200 | | |
| 校验 | Even | | |
| 数据位 | 7 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | | |


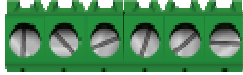
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|-------------|----|
| B | X | OOO | 0 ~ 377 | |
| B | Y | OOO | 0 ~ 377 | |
| B | M | DDDD | 0 ~ 7999 | |
| B | T | DDD | 0 ~ 255 | |
| B | C | DDD | 0 ~ 255 | |
| B | SM | DDDD | 9000 ~ 9255 | |


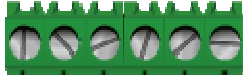
| | | | | |
|---|-----|------|-------------|--|
| W | TV | DDD | 0 ~ 255 | |
| W | CV | DDD | 0 ~ 199 | |
| W | D | DDDD | 0 ~ 9255 | |
| W | CV2 | DDD | 200 ~ 255 | |
| W | SD | DDDD | 9000 ~ 9255 | |

接线图：
Vigor M series : RS485 4W Terminal

MT6000/8000 series except MT6050i/MT8050i





| COM1 RS485 4W 9P D-Sub Male | | | Vigor M series RS485 4W 6P Terminal |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | SG |
|  | | |  |

MT6050i/MT8050i



| COM1 RS485 4W 9P D-Sub Female | | | Vigor M series RS485 4W 6P Terminal |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 1 RX- | | | TX- |
| 2 RX+ | | | TX+ |
| 3 TX- | | | RX- |
| 4 TX+ | | | RX+ |
| 5 GND | | | SG |
|  | | |  |

Vigor M series : RS232

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | Vigor M series RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 3 TXD |
| 3 TX | 4 TX | 7 TX | 2 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|-----------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|
| COM1 RS232 9P D-Sub Female | | | Vigor M series RS232 9P D-Sub Male |
| 9 RX | | | 3 TXD |
| 6 TX | | | 2 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Dec/30/2008 | |

XINJE XC Series

支持系列: Xinje XC 系列

网站: <http://www.xinje.com/0/index.html>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------|-------|----|
| PLC 类型 | XINJE XC Series | | |
| PLC 界面 | RS232 | RS232 | |
| 传输速率 | 19200 | | |
| 校验 bit | Even | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |
| PLC 站号 | 1 | 0-255 | |




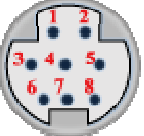
设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| B | M | DDDD | 0 ~ 8511 | |
| B | X | O000 | 0 ~ 1037 | |
| B | Y | O000 | 0 ~ 1037 | |
| B | S | DDDD | 0 ~ 1023 | |
| B | T | DDD | 0 ~ 618 | |
| B | C | DDD | 0 ~ 634 | |


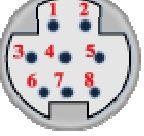
| | | | | |
|---|------|------|-------------|--|
| W | D | DDDD | 0 ~ 8511 | |
| W | TD | DDD | 0 ~ 618 | |
| W | CD | DDD | 0 ~ 634 | |
| W | FD_1 | DDDD | 0 ~ 5000 | |
| W | FD_2 | DDDD | 8000 ~ 8511 | |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 8P Mini-Din Male |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 5 TX |
| 3 TX | 4 TX | 7 TX | 4 RX |
| 5 GND | 5 GND | 5 GND | 8 GND |
|  |  |  |  |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 8P Mini-Din Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 5 TX |
| 6 TX | | | 4 RX |
| 5 GND | | | 8 GND |
|  | | |  |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Jul/02/2009 | 发布驱动程序. |

YAMAHA ERCD

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-------------|---------------|----|
| PLC 类型 | YAMAHA ERCD | | |
| PLC 界面 | RS232 | | |
| 数据位 | 8 | 7 or 8 | |
| 停止位 | 1 | 1 or 2 | |
| 传输速率 | 9600 | 1200-19200 | |
| 校验 | Odd | None/Even/Odd | |
| PLC 站号 | 0 | | |





设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-----|---------|------------------------------------|
| Word | P | DDD | 0 ~ 999 | 读/写, PNT point data |
| Word | SWI | D | 0 | 唯写, RW0=program number 转换运行程序号码 |
| Word | ORG | D | 0 | 唯写, 回到原点 |
| Word | RESET | D | 0 | 唯写, 重置程序 |
| Word | RUN | D | 0 | 唯写, 开始自动运行 |



| | | | | |
|------|-------|---|---|-----------------------------------------------------|
| Word | X_ADD | D | 0 | 唯写, X+ command |
| Word | X_SUB | D | 0 | 唯写, X- command |
| Word | MOVD | D | 0 | 唯写, 直接移动至所选位置 RW1=X-axis position(mm), RW2=speed |

接线图:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| 2 RX | 6 RX | 8 RX | 3 TX | |
| 3 TX | 4 TX | 7 TX | 2 RX | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  |  |  |  | |

MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| 9 RX | | | 3 TX | |
| 6 TX | | | 2 RX | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  | | |  | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Jan/04/2010 | |

YASKAWA MP Series Ethernet (Extension)

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------------------------------|----|----|
| PLC 类型 | YASKAWA MP Series Ethernet (Extension) | | |
| PLC 界面 | Ethernet (UDP) | | |
| PLC 站号 | 1 | | |
| 连接埠 | 10000 | | |

PLC 设定:

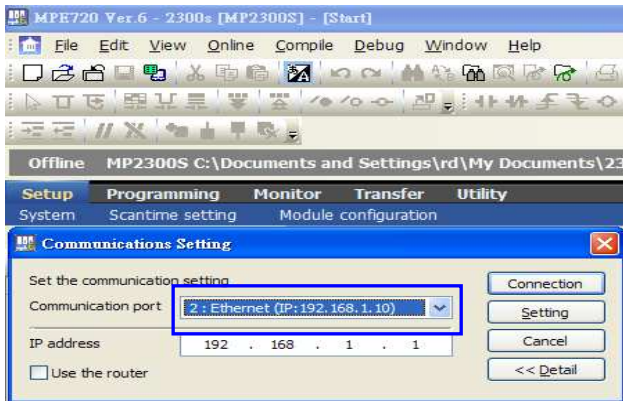
Yaskawa PLC 通讯参数设定

(1) PLC 原厂通讯参数设定:

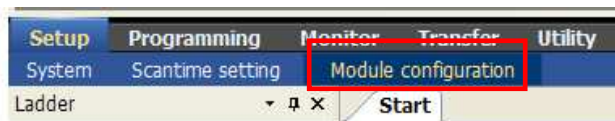
| 项目 | 设定 |
|-----------------------------|---------------|
| IP Address | 192.168.1.1 |
| Subnet Mask | 255.255.255.0 |
| Gateway IP Address | 0.0.0.0 |
| System port | 10000 (UDP) |
| TCP Zero Window Timer Value | 3 (秒) |
| TCP Retry Time | 500 (毫秒) |
| TCP Close Time | 60 (秒) |
| IP Assemble Time | 30 (秒) |
| Max. Packet Length | 1500 (bytes) |

(2) 设定步骤:

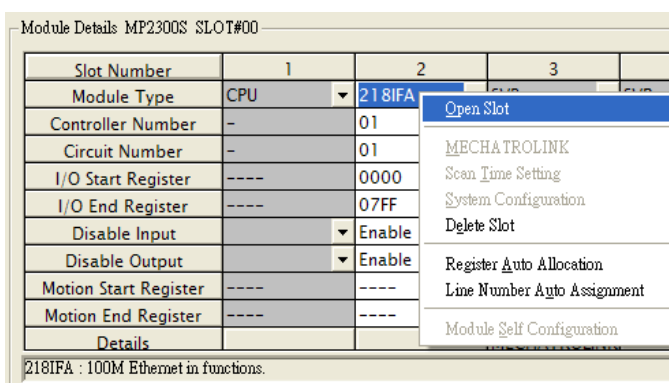
1. 设定 PLC IP.



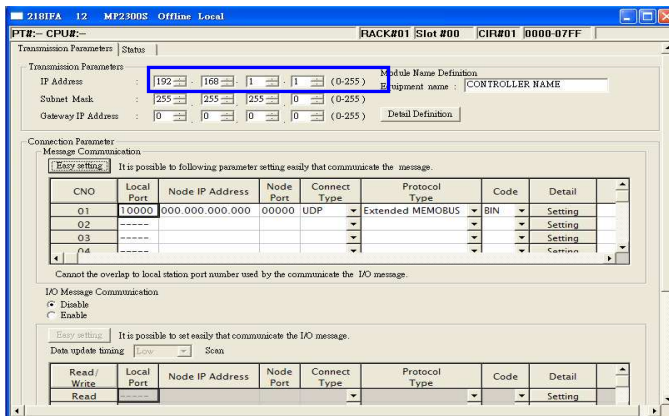
2. 通讯参数设定.



3. 进入 Module Details 后选择 218IFA 设定相关参数设定.



4. 设定显示如下, PLC IP 不能重复.



5. 下载 PLC 通讯参数设定至 PLC, 并重启控制器.



(3) HMI 设定:

1. 选择 Ethernet PLC 接口.
2. 勾选 使用 UDP.
3. 设定 PLC IP 和连接埠, 预设埠号为 10000.




设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|------------|----|
| B | SB | DDDDh | 0 ~ 8191f | |
| B | IB | HHHHh | 0 ~ ffff | |
| B | OB | HHHHh | 0 ~ ffff | |
| B | MB | DDDDh | 0 ~ 65534f | |
| W | SW | DDDD | 0 ~ 8191 | |
| W | IW | HHHH | 0 ~ ffff | |
| W | OW | HHHH | 0 ~ ffff | |
| W | MW | DDDD | 0 ~ 65534 | |

接线图:


直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Dec/28/2010 | 发布驱动程序. |

YASKAWA MP2300Siec

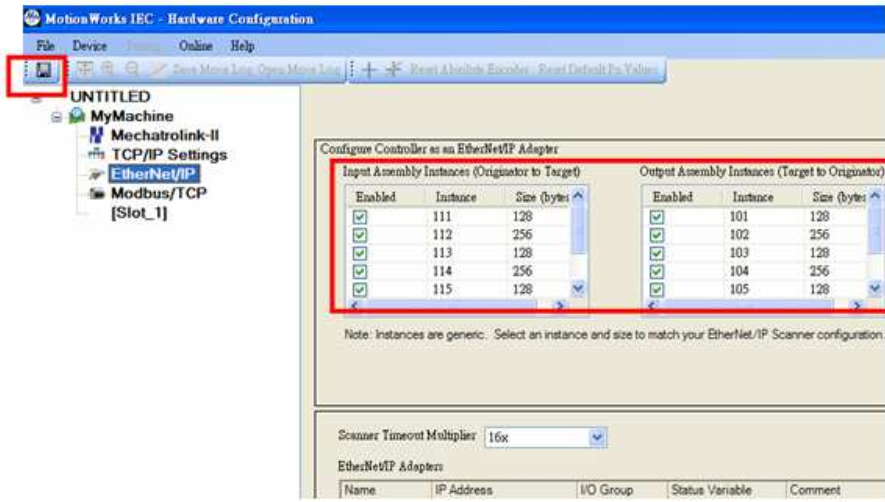
HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|--------------------------|----------------------------------|----|
| PLC 类型 | YASKAWA MP2300Siec | | |
| PLC 界面 | Ethernet | | |
| PLC 站号 | 1 | | |
| 连接埠 | 44818 | | |
| 实例 | Input::101 Output:111 | Input::101~106 Output:111~116 | |

PLC 设定:

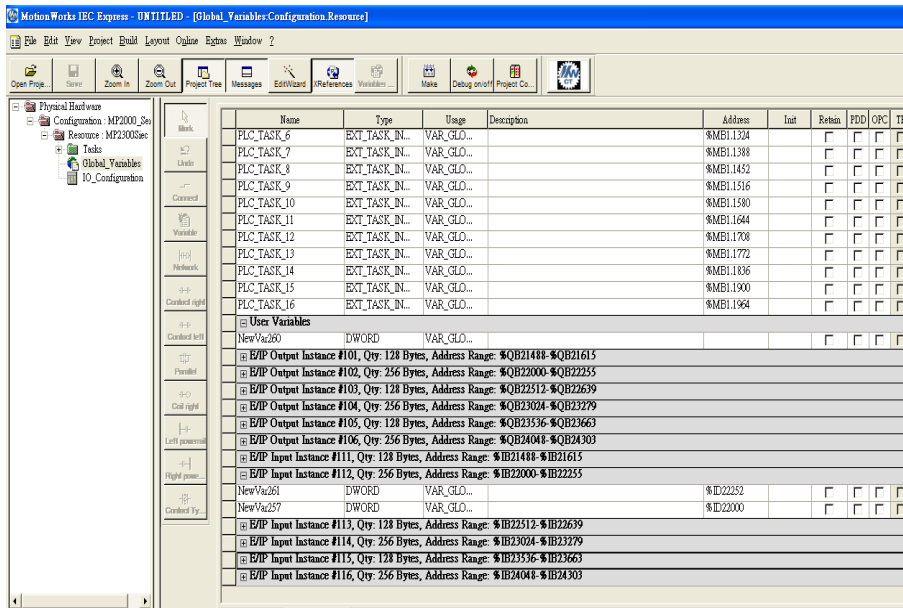
MP2300Siec-Motion Works IEC Express (YASKAWA)设定:

步骤一.HMI 要与 MP2300Siec 进行 Ethernet/IP 通讯前，必须设定 MP2300Siec 设备上的 Instance Input 与 Instance Output，一次可以建立多个 Instance，设定完成必须按下 Save 键。



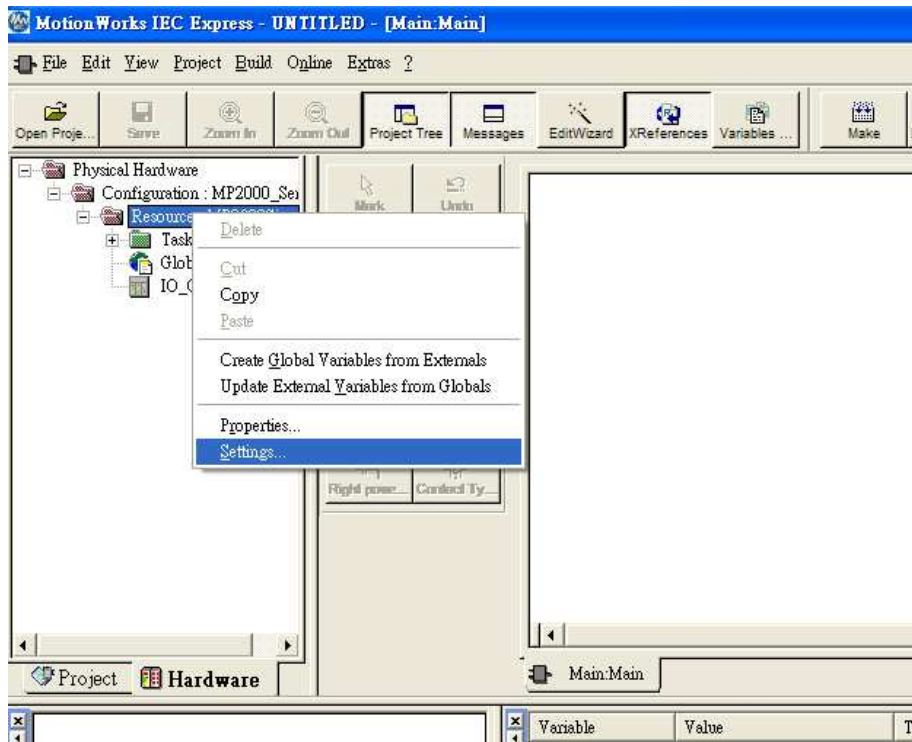
图一.Assembly Instances

步骤二.Global Variables 将会自动新增 E/IP Input 与 Output 资料 ,使用者可以自行定义 Input 与 Output 数据名称及地址型态。

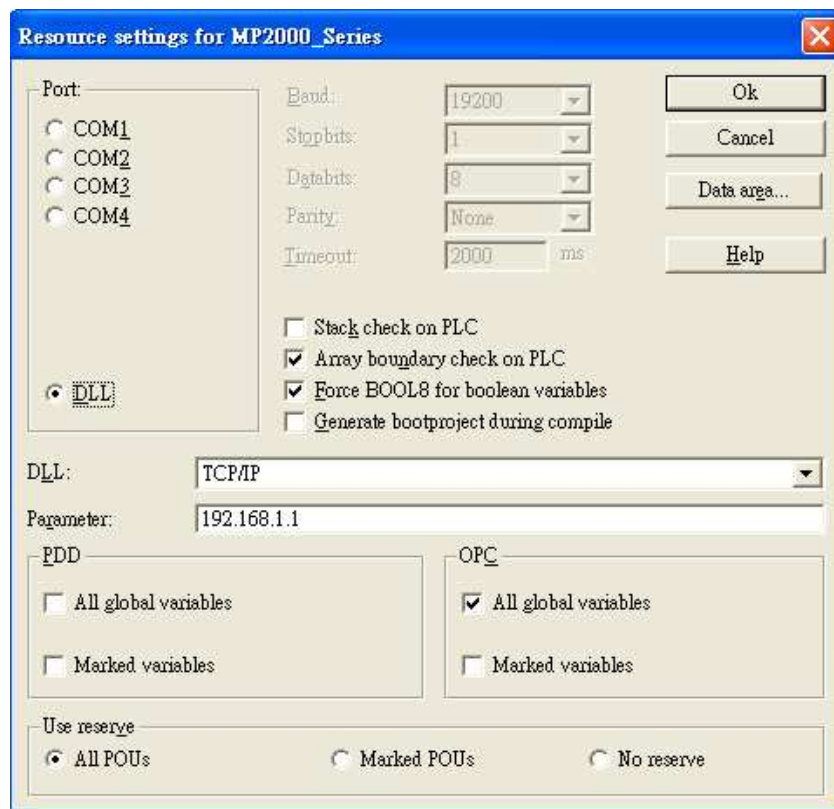


图二.Global Variables

步骤三.下载 Project 至设备(MP2300Siec)时 , 必须由图三 Resource->Settings 进入图四设定 MP2300Siec IP address.

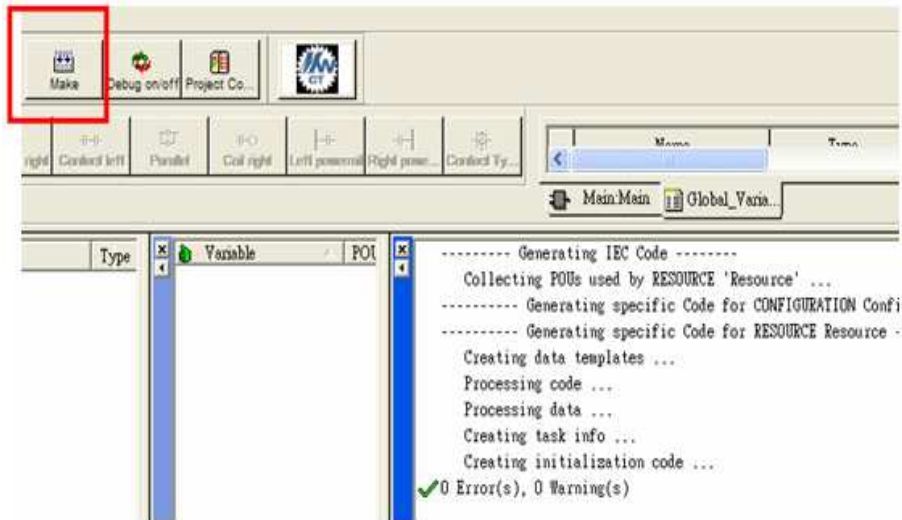


图三.Motion Works IEC Express – Settings



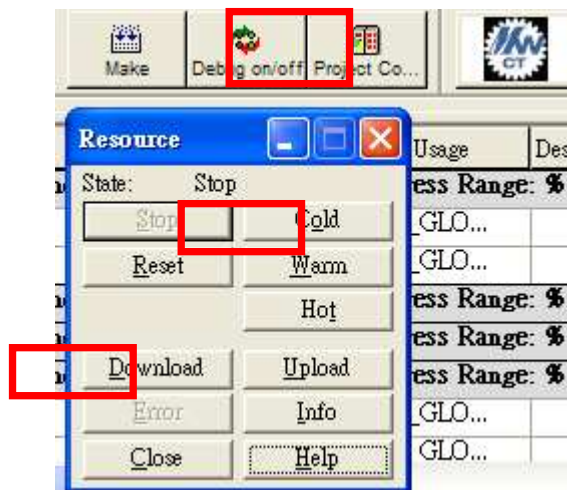
图四.Resource Settings

步骤四.进行编译。



图五.编译画面

步骤五. Project 下载至 MP2300Siec 设备，执行 Cold 即可。

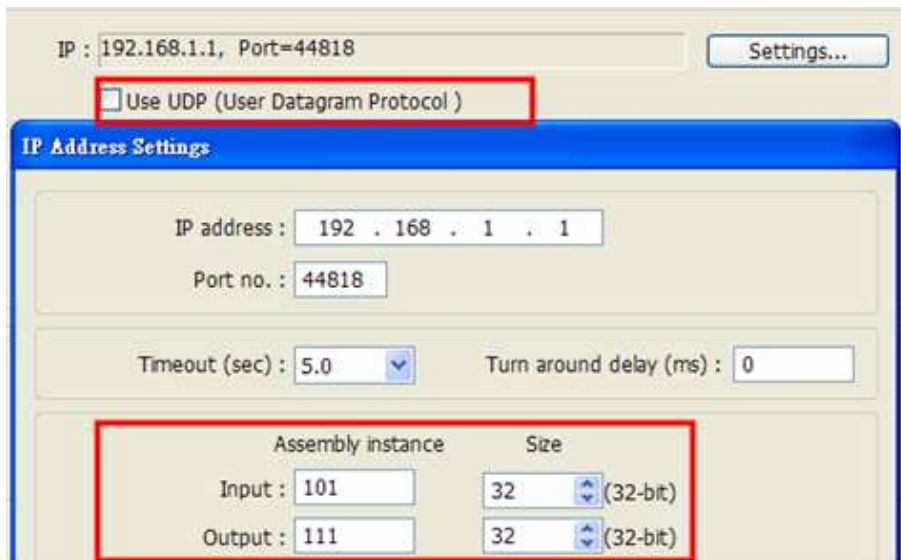


图六.Project 下载

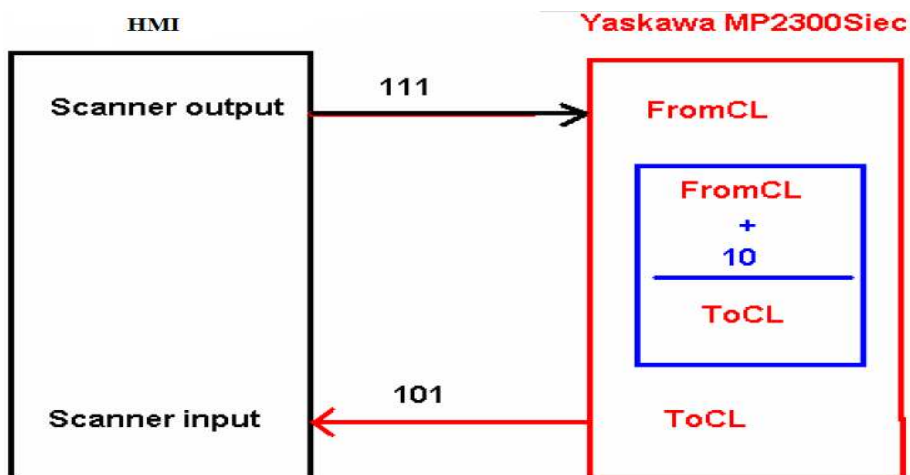
EasyBuilder8000/EasyBuilder Pro 之设定:

步骤一.系统参数设定

开启 EasyBuilder8000/EasyBuilder Pro 项目，如下图七 Assembly Instance 与 Size 必须与原厂软件设定匹配，UDP 选项不需选取。图八则表示 HMI Input Output 地址与 MP2300Siec 相互对应关系。



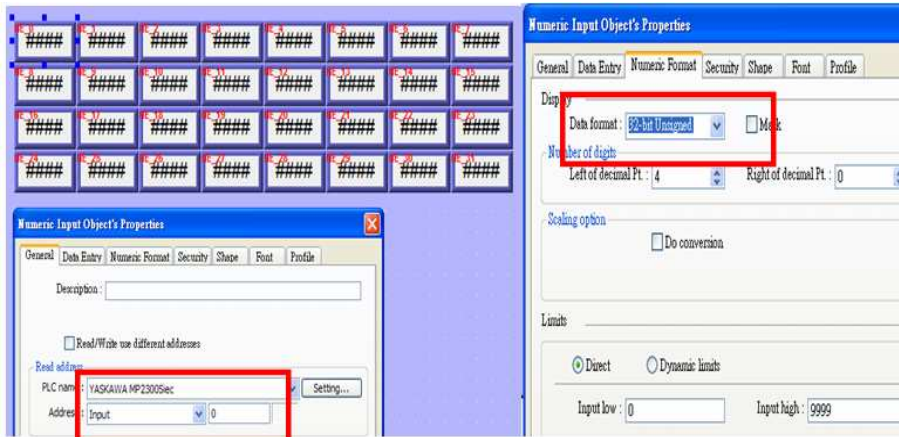
图七.Instance Setting



图八.HMI 与 MP2300Siec I/O 对应关系

步骤二.地址设定:

Instance 101 与 Instance 111 皆定义为 128Bytes，画面上即可使用 WORD 对象，数据型态定义为 32-Bit Unsigned，Input 地址设定 0、2、4、6.....62 来读取 Instance 101 数据。



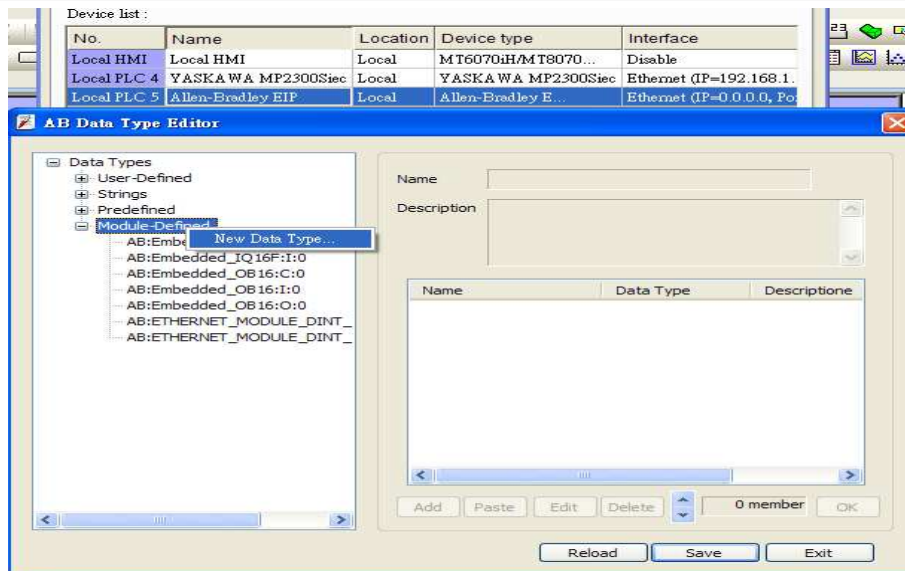
图九.地址设定

EasyBuilder8000/EasyBuilder Pro-Allen Bradley CompactLogix Tag 数据汇入及外部模块定义:

步骤一.使用者于 EasyBuilder8000/EasyBuilder Pro 项目中 ,使用 Allen Bradley EIP 驱动汇入 CSV 档案时(如图十) ,必须先开启 AB Data Type Editor 定义外部模块(图十一) ,必需于 Module Defined 按下鼠标右键新增数据型态(Data Type)。

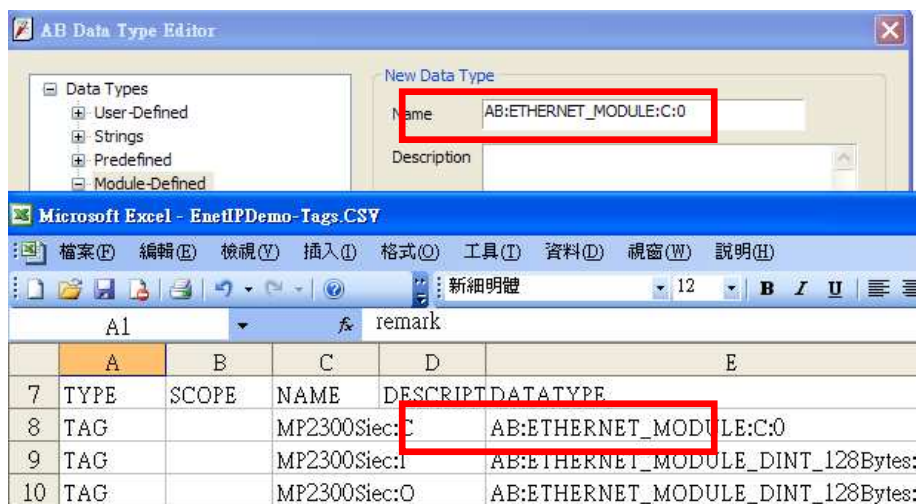
| TYPE | SCOPE | NAME | DESCRIPTION | DATATYPE | SPECIFIER |
|------|-------|-------------|-------------|--------------------------------------|-----------|
| TAG | | MF2300Sec:C | | AB:ETHERNET_MODULE:C:0 | |
| TAG | | MF2300Sec:I | | AB:ETHERNET_MODULE_DINT_128Bytes:I:0 | |
| TAG | | MF2300Sec:O | | AB:ETHERNET_MODULE_DINT_128Bytes:O:0 | |
| TAG | | Local:1:C | | AB:Embedded_IQ16F:C:0 | |
| TAG | | Local:1:I | | AB:Embedded_IQ16F:I:0 | |
| TAG | | Local:2:C | | AB:Embedded_OB16:C:0 | |
| TAG | | Local:2:I | | AB:Embedded_OB16:I:0 | |
| TAG | | Local:2:O | | AB:Embedded_OB16:O:0 | |
| TAG | | Bits | | BOOL[32] | |
| TAG | | Timer1 | | TIMER | |

图十. RSLogix 5000 (Allen Bradley Software)汇出 Free Tag CSV 档案

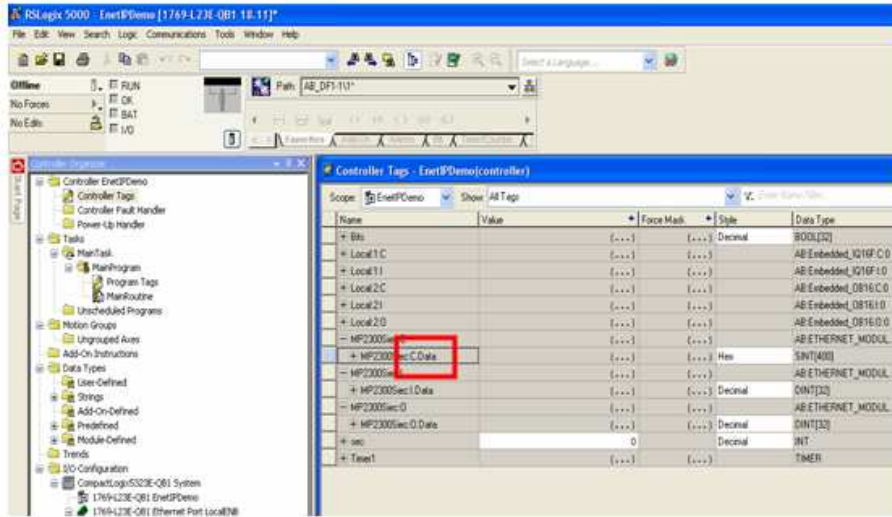


图十一 .AB Data Type Editor

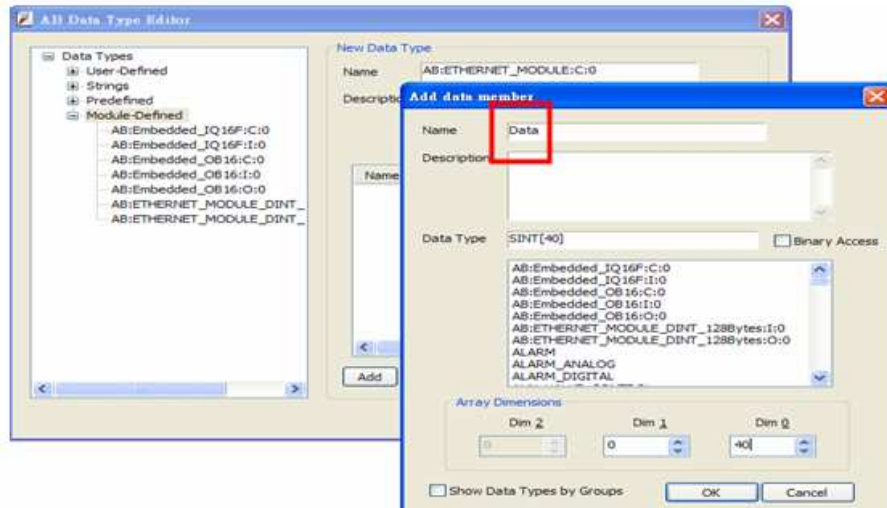
步骤二. 如图十二 AB Data Type Editor 新增数据类型 Name ,必须与 Free Tag CSV 档案中 Data Type 相同。如图十四数据成员名称必须与原 AB 软件相同(如下图十三中 Data) , 并按下储存键(图十五)。



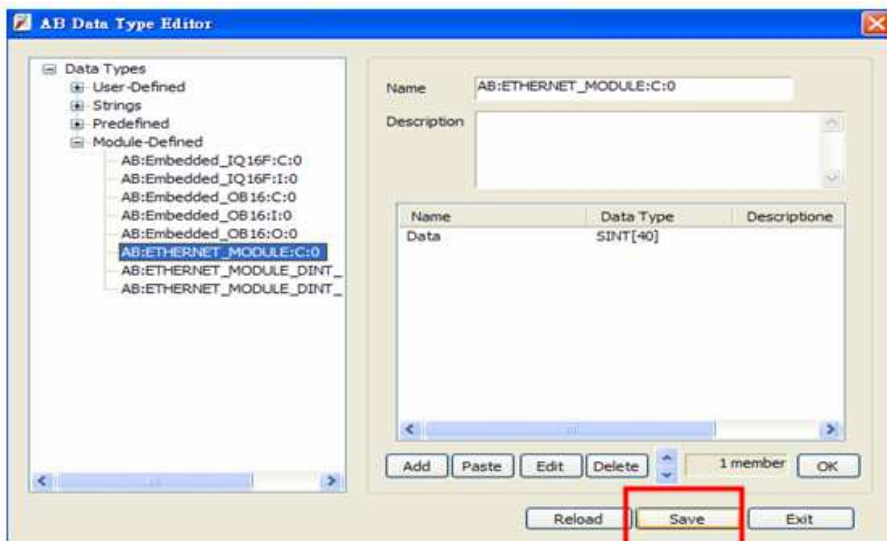
图十二 .AB Data Type Editor



图十三.Tag Information

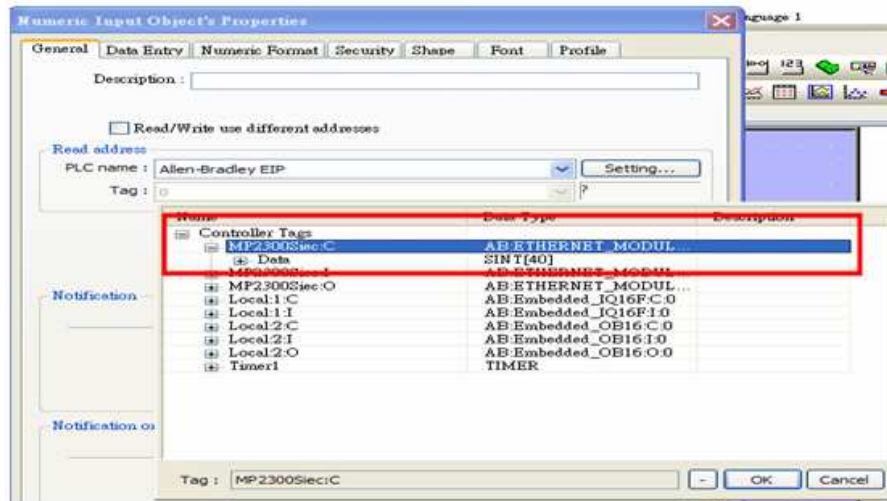


图十四.Add Data Member - Name Tag Information



图十五.Add Data Member-Settings - Save

步骤三.执行 CSV 档案汇入。将可以于对象地址看到 Tag 数据。



图十六. Tag Information


设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------------|--------|-------------|----|
| B | Input_Bit | DDDDdd | 0 ~ 6553515 | |
| B | Output_Bit | DDDDdd | 0 ~ 6553515 | |
| DW | Input | DDDD | 0 ~ 65535 | |
| DW | Output | DDDD | 0 ~ 65535 | |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|--------|
| V1.00 | Aug/11/2011 | 发布驱动程序 |

YASKAWA SMC 3010

支持系列: YASKAWA SMC Servo Motor Controller 系列.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|------------------|-------------|----|
| 设备 类型 | YASKAWA SMC 3010 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | None | | |
| 数据位 | 8 | | |
| 停止位 | 1 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|------|----------|----|
| B | AF | D | 0 ~ 1 | |
| B | BN | D | 0 ~ 1 | 唯写 |
| B | BP | D | 0 ~ 1 | 唯写 |
| B | BV | D | 0 ~ 1 | 唯写 |
| B | CB | DDDD | 0 ~ 9999 | 唯写 |
| B | CM | D | 0 ~ 1 | 只读 |
| B | DV | D | 0 ~ 1 | |
| B | EB | D | 0 ~ 1 | |
| B | OE | D | 0 ~ 1 | |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|-------|-----------|----|
| B | RS | D | 0 ~ 1 | 唯写 |
| B | ST | D | 0 ~ 1 | 唯写 |
| B | TB | Do | 0 ~ 17 | 只读 |
| B | V_Bit | DDDdd | 0 ~ 99931 | *2 |
| B | D_arr_Bit | DDDdd | 0 ~ 99931 | |
| DW | AC | D | 0 ~ 4 | |
| DW | DC | D | 0 ~ 4 | |
| DW | BL | D | 0 ~ 4 | |
| W | CD | D | 0 ~ 2 | 唯写 |
| W | CE | D | 0 ~ 2 | |
| DW | DE | D | 0 ~ 4 | |
| DW | DP | D | 0 ~ 4 | |
| W | DT | D | 0 ~ 2 | |
| W | EC | D | 0 ~ 2 | |
| DW | EM | D | 0 ~ 4 | |
| W | ER | D | 0 ~ 2 | |
| W | FA | D | 0 ~ 2 | |
| DW | FL | D | 0 ~ 4 | |
| W | FV | D | 0 ~ 2 | |
| DW | GR | D | 0 ~ 4 | |
| DW | JG | D | 0 ~ 4 | |
| DW | MM | D | 0 ~ 4 | |
| W | MT | D | 0 ~ 2 | |
| W | NA | D | 0 ~ 2 | |
| W | OP | D | 0 ~ 2 | |
| DW | PA | D | 0 ~ 4 | 唯写 |
| DW | PR | D | 0 ~ 4 | |
| DW | SP | D | 0 ~ 4 | |
| W | TC | D | 0 ~ 2 | 只读 |
| W | TM | D | 0 ~ 2 | |
| W | TW | D | 0 ~ 2 | |
| DW | VA | D | 0 ~ 4 | |
| DW | VD | D | 0 ~ 4 | |
| DW | VS | D | 0 ~ 4 | |
| DW | IL | D | 0 ~ 4 | |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|---------|-----|---------|----|
| DW | IT | D | 0 ~ 4 | |
| DW | KD | D | 0 ~ 4 | |
| DW | KI | D | 0 ~ 4 | |
| DW | KP | D | 0 ~ 4 | |
| DW | OF | D | 0 ~ 4 | |
| DW | TL | D | 0 ~ 4 | |
| DW | VR | D | 0 ~ 4 | |
| DW | VT | D | 0 ~ 4 | |
| DW | PF | D | 0 ~ 4 | *1 |
| DW | VF | D | 0 ~ 4 | |
| DW | V | DDD | 0 ~ 999 | *2 |
| F | F | DDD | 0 ~ 999 | *2 |
| W | D_array | DDD | 0 ~ 999 | |
| W | R_array | DDD | 0 ~ 999 | |





Note:

*1 PF 为 SMC_3010 的通讯参数, 默认值为 10.4, 若数值不是 10.4, 所有数值显示可能会有错误.

*2 User define integer variable V000 ~ V999, floating point variable F000 ~ F999.



接線圖:

MT6000/8000 series except MT6050i/MT8050i

| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | SMC3010 CN6 RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
| | | | 7 RTS |
| | | | 8 CTS |
| | | | circuit |
|  |  |  |  |

MT6050i/MT8050i

| | | | |
|---------------|--|--|-------------------|
| COM1 RS232 9P | | | SMC3010 CN6 RS232 |
|---------------|--|--|-------------------|

| D-Sub Female | | 9P D-Sub Male | |
|-----------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|---------|
| 9 RX | | 2 TXD | |
| 6 TX | | 3 RXD | |
| 5 GND | | 5 GND | |
| | | 7 RTS | circuit |
| | | 8 CTS | |
|  | |  | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.30 | Mar/29/2010 | |

YASKAWA SMC 3010 (Ethernet)

支持系列: YASKAWA SMC Servo Motor Controller 系列.

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|-----------------------------|----|----|
| 设备 类型 | YASKAWA SMC 3010 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 23 | | |

设备类型:

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-------|-------|-----------|----|
| B | AF | D | 0 ~ 1 | |
| B | BN | D | 0 ~ 1 | 唯写 |
| B | BP | D | 0 ~ 1 | 唯写 |
| B | BV | D | 0 ~ 1 | 唯写 |
| B | CB | DDDD | 0 ~ 9999 | 唯写 |
| B | CM | D | 0 ~ 1 | 只读 |
| B | DV | D | 0 ~ 1 | |
| B | EB | D | 0 ~ 1 | |
| B | OE | D | 0 ~ 1 | |
| B | RS | D | 0 ~ 1 | 唯写 |
| B | ST | D | 0 ~ 1 | 唯写 |
| B | TB | Do | 0 ~ 17 | 只读 |
| B | V_Bit | DDDdd | 0 ~ 99931 | *2 |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|-----------|-------|-----------|----|
| B | D_arr_Bit | DDDdd | 0 ~ 99931 | |
| DW | AC | D | 0 ~ 4 | |
| DW | DC | D | 0 ~ 4 | |
| DW | BL | D | 0 ~ 4 | |
| W | CD | D | 0 ~ 2 | 唯写 |
| W | CE | D | 0 ~ 2 | |
| DW | DE | D | 0 ~ 4 | |
| DW | DP | D | 0 ~ 4 | |
| W | DT | D | 0 ~ 2 | |
| W | EC | D | 0 ~ 2 | |
| DW | EM | D | 0 ~ 4 | |
| W | ER | D | 0 ~ 2 | |
| W | FA | D | 0 ~ 2 | |
| DW | FL | D | 0 ~ 4 | |
| W | FV | D | 0 ~ 2 | |
| DW | GR | D | 0 ~ 4 | |
| DW | JG | D | 0 ~ 4 | |
| DW | MM | D | 0 ~ 4 | |
| W | MT | D | 0 ~ 2 | |
| W | NA | D | 0 ~ 2 | |
| W | OP | D | 0 ~ 2 | |
| DW | PA | D | 0 ~ 4 | 唯写 |
| DW | PR | D | 0 ~ 4 | |
| DW | SP | D | 0 ~ 4 | |
| W | TC | D | 0 ~ 2 | 只读 |
| W | TM | D | 0 ~ 2 | |
| W | TW | D | 0 ~ 2 | |
| DW | VA | D | 0 ~ 4 | |
| DW | VD | D | 0 ~ 4 | |
| DW | VS | D | 0 ~ 4 | |
| DW | IL | D | 0 ~ 4 | |
| DW | IT | D | 0 ~ 4 | |
| DW | KD | D | 0 ~ 4 | |
| DW | KI | D | 0 ~ 4 | |
| DW | KP | D | 0 ~ 4 | |
| DW | OF | D | 0 ~ 4 | |
| DW | TL | D | 0 ~ 4 | |

| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|---------|-----|---------|----|
| DW | VR | D | 0 ~ 4 | |
| DW | VT | D | 0 ~ 4 | |
| DW | PF | D | 0 ~ 4 | *1 |
| DW | VF | D | 0 ~ 4 | |
| DW | V | DDD | 0 ~ 999 | *2 |
| DW (F) | F | DDD | 0 ~ 999 | *2 |
| W | D_array | DDD | 0 ~ 999 | |
| W | R_array | DDD | 0 ~ 999 | |

Note:


*1 PF 为 SMC_3010 的通讯参数, 默认值为 10.4, 若数值不是 10.4, 所有数值显示可能会有错误.

*2 User define integer variable V000 ~ V999, floating point variable F000 ~ F999.

接线图:

直连网络线 (跳接网络线):




| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|----|-------------|
|-------------|----|-------------|

| | | |
|--------|-----|--------|
| 1 TX+ | 白/橘 | 1 TX+ |
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.10 | Mar/29/2010 | |

Yokogawa FA-M3

支持系列：FA-M3 CPU SP35-5N, SP55-5N CPU port, F3LC11 Computer Link 模块.

网站：<http://www.yokogawa.com/itc/itc-index-en.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|----------------|-----------------|----|
| PLC 类型 | Yokogawa FA-M3 | | |
| PLC 界面 | RS232 | | |
| 传输速率 | 19200 | 9600, 19200 | |
| 校验 | Even | Even, Odd, None | |
| 数据位 | 8 | 8 | |
| 停止位 | 1 | 1 | |
| PLC 站号 | 1 | 1-31 | |

PLC 设定:





| | |
|------|-------------------------------------------------------------------|
| 通讯模式 | 使用 Personal Communication Link 使用 checksum 使用 End Character |
|------|-------------------------------------------------------------------|

设备类型:



| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|----|
| B | X | DDDDD | 0 ~ 71664 | |
| B | Y | DDDDD | 0 ~ 71664 | |
| B | I | DDDDD | 1 ~ 16384 | |
| B | M | DDDD | 1 ~ 9984 | |
| B | L | DDDDD | 0 ~ 71024 | |
| W | D | DDDDD | 1 ~ 16384 | |
| W | B | DDDDD | 1 ~ 32768 | |
| W | V | DDD | 1 ~ 256 | |
| W | W | DDDDD | 1 ~ 71024 | |
| W | Z | DDDD | 1 ~ 1024 | |

接线图:
9P D-Sub to 9P D-Sub: Cable KM11

MT6000/8000 series except MT6050i/MT8050i





| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2 RX | 6 RX | 8 RX | 2 TXD |
| 3 TX | 4 TX | 7 TX | 3 RXD |
| 5 GND | 5 GND | 5 GND | 5 GND |
|  |  |  |  |

MT6050i/MT8050i



| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|
| 9 RX | | | 2 TXD |
| 6 TX | | | 3 RXD |
| 5 GND | | | 5 GND |
|  | | |  |

9P D-Sub to 9P D-Sub: LC11

MT6000/8000 series except MT6050i/MT8050i

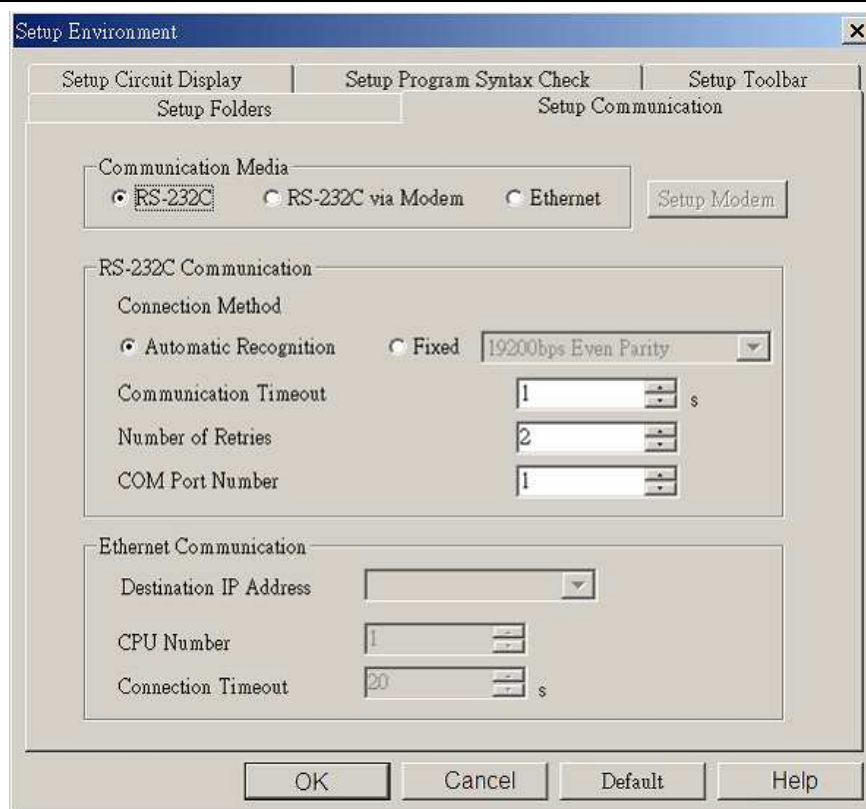
| | | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| COM1 RS232 9P D-Sub Female | COM2 RS232 9P D-Sub Female | COM3 RS232 9P D-Sub Male | RS232 9P D-Sub Male | |
| 2 RX | 6 RX | 8 RX | 3 TXD | |
| 3 TX | 4 TX | 7 TX | 2 RXD | |
| 5 GND | 5 GND | 5 GND | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  |  |  |  | |

MT6050i/MT8050i

| | | | | |
|-------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------|
| COM1 RS232 9P D-Sub Female | | | RS232 9P D-Sub Male | |
| 9 RX | | | 3 TXD | |
| 6 TX | | | 2 RXD | |
| 5 GND | | | 5 GND | |
| | | | 7 RTS | circuit |
| | | | 8 CTS | |
|  | | |  | |

如何获取 WideField 通讯设定

若想获取WideField通讯设定, 选择 [Tool]->[Set Environment] default 为 Automatic. 使用 Automatic Recognition, Wide Field 软件将连结目前 PLC 并获取 PLC 通讯设定. 若已知 PLC 通讯装置, 也可选择 Fixed 模式, 这将更快速连结至 PLC.



P.S 因为使用 Personal computer link, 当连结至 PLC 会延时约 20 秒 来测试通讯.

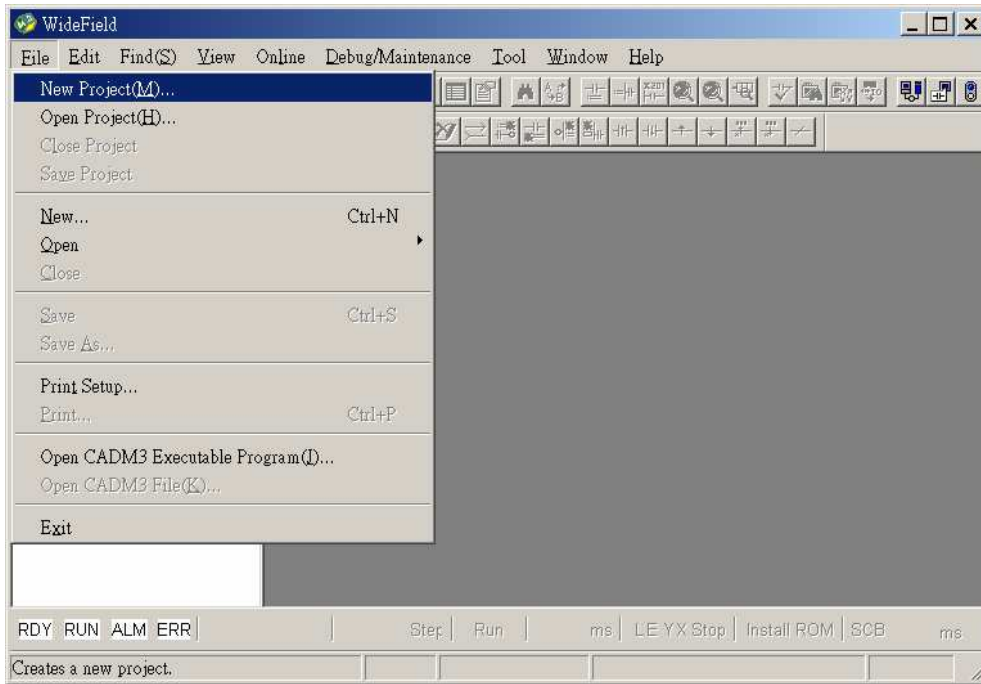
如何设定 YOKOGAWA PLC 通讯

装置

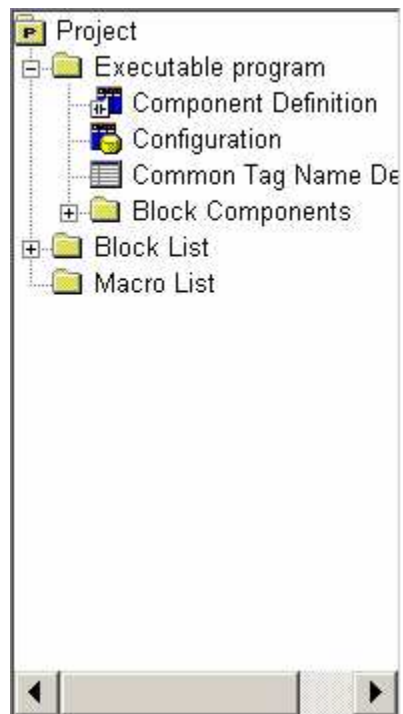
YOKOGAWA FA-M3

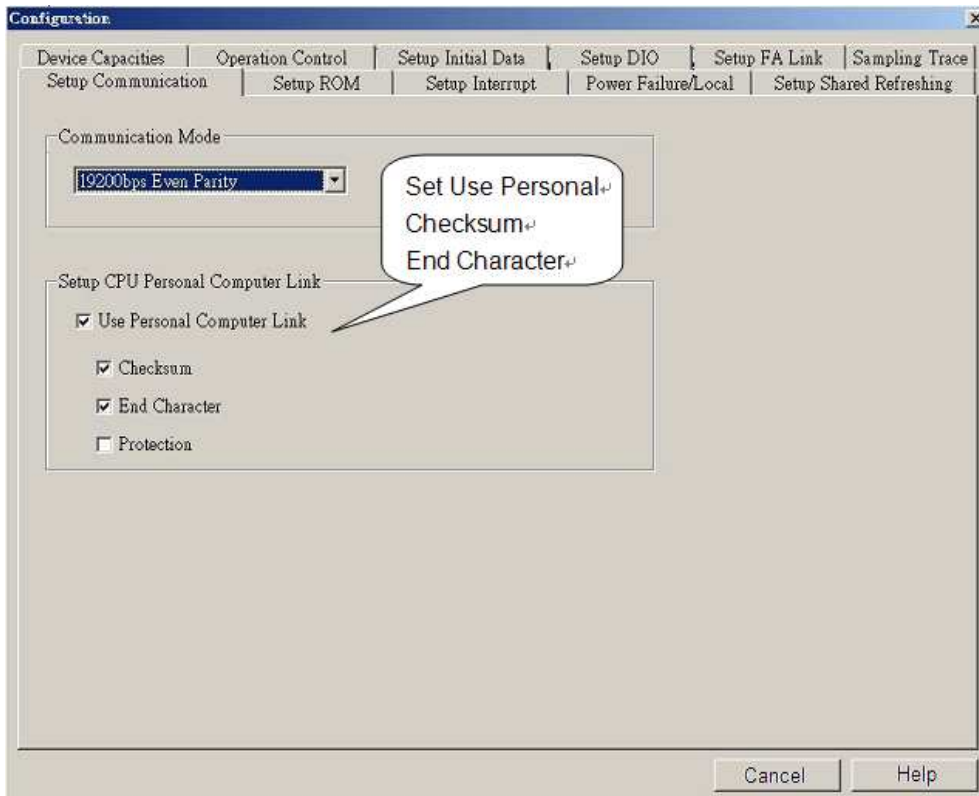
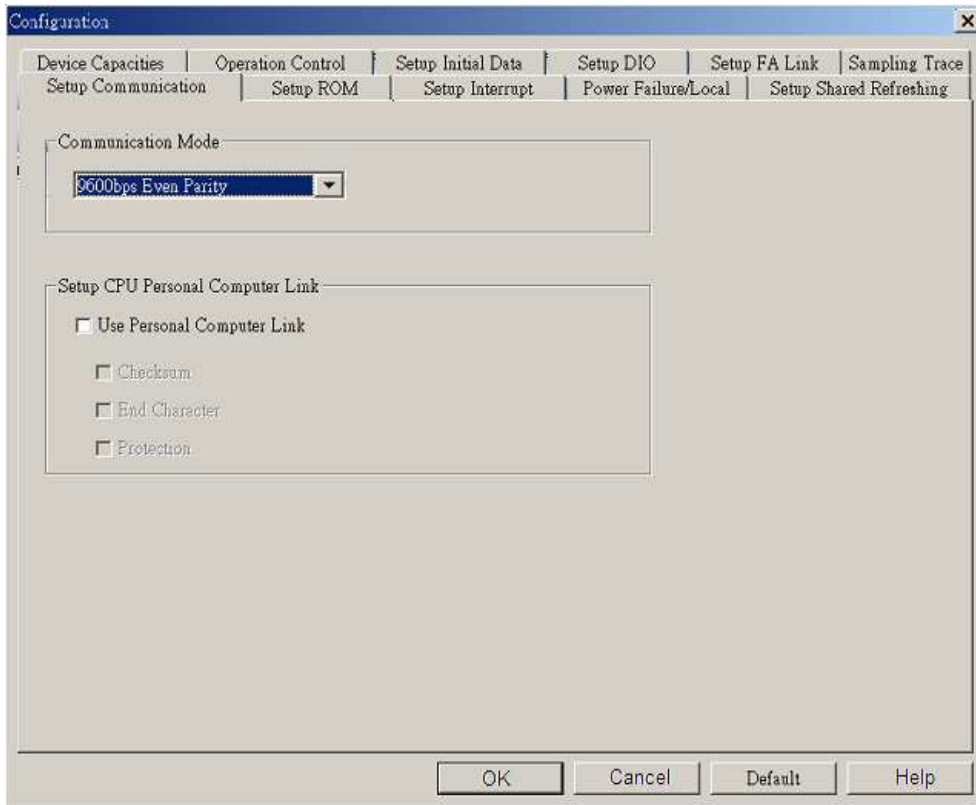
CPU SP55-5N (同 SP35-5N)

[File] -> [New Project] 建立新的程序



点选“Configuration”设置通讯。





驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|----|
| V1.20 | Oct/23/2009 | |

Yokogawa FA-M3 (Ethernet)

支持系列：FA-M3 CPU SP35-5N, SP55-5N with F3LE01-5T/F3LE11-0T Ethernet 模块.

网站: <http://www.yokogawa.com/itc/itc-index-en.htm>

HMI 设定:

| 参数设定 | 推荐 | 选项 | 注释 |
|--------|---------------------------|----|----|
| PLC 类型 | Yokogawa FA-M3 (Ethernet) | | |
| PLC 界面 | Ethernet | | |
| 连接埠 | 12289 | | |
| PLC 站号 | 1 | | |

PLC 设定:

| | |
|------|-----------------------------------|
| 通讯模式 | 设定 IP Address, 设置所有 switch 为 OFF. |
|------|-----------------------------------|

Right-side View

Operating Condition Setup Switch

IP Address Setup Switch

Example: Setting the IP address to 192.168.250.210

| | | | |
|--|--|--|--|
| | | | |
| | | | |

| | | | | |
|---------|-----|-----|-----|-----|
| Hexa | C0 | A8 | FA | D2 |
| decimal | ↑ | ↑ | ↑ | ↑ |
| Decimal | 192 | 168 | 250 | 210 |

设备类型:


| Bit/Word | 设备类型 | 格式 | 范围 | 注释 |
|----------|------|-------|-----------|----|
| B | X | DDDDD | 0 ~ 71664 | |
| B | Y | DDDDD | 0 ~ 71664 | |
| B | I | DDDDD | 1 ~ 16384 | |
| B | M | DDDD | 1 ~ 9984 | |

| | | | | |
|---|---|-------|-----------|--|
| B | L | DDDDD | 0 ~ 71024 | |
| W | D | DDDD | 1 ~ 8192 | |
| W | B | DDDDD | 1 ~ 32768 | |
| W | V | DD | 1 ~ 64 | |
| W | W | DDDDD | 1 ~ 71024 | |
| W | Z | DDD | 1 ~ 512 | |

接线图:

直连网络线 (跳接网络线):

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 3 RX+ |
| 2 TX- | 橘 | 6 RX- |
| 3 RX+ | 白/绿 | 1 TX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 2 TX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |



使用集线器:

| HMI RJ45 公头 | 颜色 | PLC RJ45 公头 |
|-------------|-----|-------------|
| 1 TX+ | 白/橘 | 1 TX+ |

| | | |
|------------------------------------------------------------------------------------|-----|--------|
| 2 TX- | 橘 | 2 TX- |
| 3 RX+ | 白/绿 | 3 RX+ |
| 4 BD4+ | 蓝 | 4 BD4+ |
| 5 BD4- | 白/蓝 | 5 BD4- |
| 6 RX- | 绿 | 6 RX- |
| 7 BD3+ | 白/棕 | 7 BD3+ |
| 8 BD3- | 棕 | 8 BD3- |
|  | | |

驱动版本:

| 版本 | 日期 | 叙述 |
|-------|-------------|---------|
| V1.00 | Dec/30/2008 | 发布驱动程序. |