

Siemens S7-200 SMART PPI

Supported Series: Siemens S7-200 SMART series PLC

Website: <http://www.siemens.com/entry/cc/en/>

HMI Setting:

| Parameters | Recommended | Options | Notes |
|---------------------|--------------------------|---------------------|--|
| PLC type | Siemens S7-200 SMART PPI | | |
| PLC I/F | RS485 2W | RS485 2W | |
| Baud rate | 9600 | 9600, 19200, 187.5K | Only MT6000/8000V2 support baud rate 187.5 K |
| Data bits | 8 | 7,8 | |
| Parity | Even | Even, Odd, None | |
| Stop bits | 1 | 1, 2 | |
| Turn around delay | 5 | | |
| ACK delay time (ms) | 30 | | |
| PLC sta. no. | 2 | 1 ~ 126 | |

| | | | |
|-------------------|-----|---------------------|----|
| Online simulator | YES | Extend address mode | NO |
| Broadcast command | NO | | |

PLC Setting:

| | |
|-------------|--|
| PLC setting | PLC sta. no. can not be the same as HMI sta. no. |
|-------------|--|

Device Address:

| Bit/Word | Device type | Format | Range | Memo |
|----------|-------------|---------|-----------|--------------------|
| B | I | DDDDo | 0 ~ 12797 | Input |
| B | Q | DDDDo | 0 ~ 12797 | Output |
| B | M | DDo | 0 ~ 637 | Bit Memory |
| B | V | DDDDDDo | 0 ~ | V Memory Bit |
| B | S | DDo | 0 ~ 317 | SCR |
| B | SM | DDDDo | 0 ~ 20477 | Special Memory Bit |
| B | Timer | DDD | 0 ~ 511 | Timer |
| B | Counter | DDD | 0 ~ 511 | Counter |
| W | IW | DDDD | 0 ~ 1278 | Input |
| W | QW | DDDD | 0 ~ 1278 | Output |

| Bit/Word | Device type | Format | Range | Memo |
|----------|-------------|--------|------------|------------------------------|
| W | MW | DD | 0 ~ 62 | Word Memory |
| W | VW | DDDDDD | 0 ~ 102398 | V Memory |
| W | SW | DD | 0 ~ 30 | SCR |
| W | SMW | DDDD | 0 ~ 2046 | Special Memory |
| W | T | DDD | 0 ~ 511 | Timer |
| W | C | DDD | 0 ~ 511 | Counter |
| W | AIW | DDD | 0 ~ 530 | Analog Input |
| W | AQW | DDD | 0 ~ 530 | Analog Output |
| Byte | IB | DDDD | 0 ~ 1279 | Input (Byte) |
| Byte | QB | DDDD | 0 ~ 1279 | Output (Byte) |
| Byte | MB | DD | 0 ~ 63 | Memory (Byte) |
| Byte | VB | DDDDDD | 0 ~ 102399 | V Memory (Byte) |
| Byte | SB | DD | 0 ~ 31 | SCR (Byte) |
| Byte | SMB | DDDD | 0 ~ 2047 | Special Memory (Byte) |
| DW | ID | DDDD | 0 ~ 1276 | Input (Double Word) |
| DW | QD | DDDD | 0 ~ 1276 | Output (Double Word) |
| DW | MD | DD | 0 ~ 60 | Memory (Double Word) |
| DW | VD | DDDDDD | 0 ~ 102396 | V Memory (Double Word) |
| DW | SD | DD | 0 ~ 28 | SCR (Double Word) |
| DW | SMD | DDDD | 0 ~ 2044 | Special Memory (Double Word) |

- Double Word and floating point value must use VD device type.

Wiring Diagram:

Diagram 1

RS-485 2W

The serial port pin assignments may vary between HMI models, please click the following link for more information.

