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# GE Fanuc SNP-X

GE Fanuc 90 & VersaMax series PLC

http://www.ge.com

## HMI Setting:

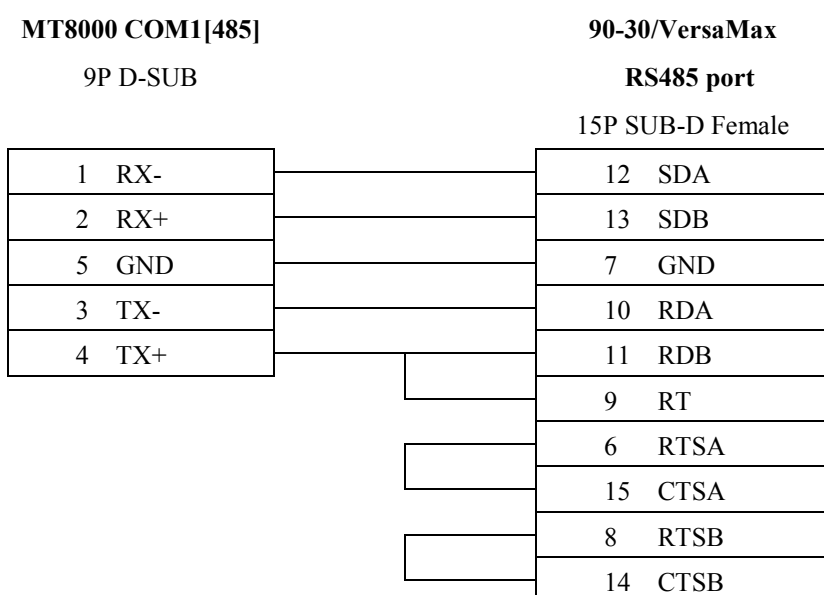| Parameters | Recommend | Option | Notes |
|---|---|---|---|
| PLC type | GE Fanuc SNP-X | | |
| Com port | RS485 4w | RS232/RS485 | |
| Baud rate | 19200 | 9600,19200,38400,57600,115200 | Must same as the PLC setting |
| Parity bit | Odd | Even, Odd, None | Must same as the PLC setting |
| Data Bits | 8 | 7,8 | Must set as 8 to this protocol |
| Stop Bits | 1 | 1, 2 | Must same as the PLC setting |
| HMI Station No. | 0 | 0-255 | Does not apply to this protocol |
| PLC Station No. | 0 | 0-255 | Does not apply to this protocol |

## PLC Setting:

Refer to related PLC manual

## Device address:

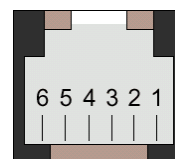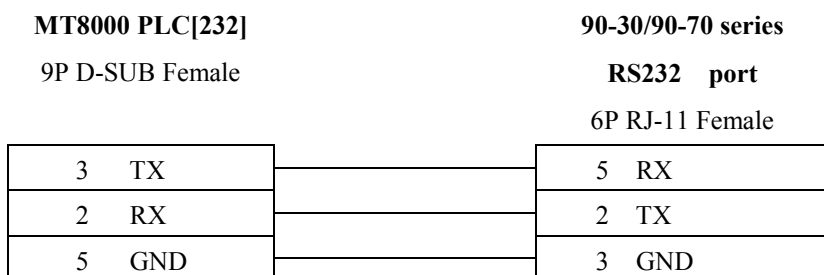| Bit/Word | Device Type | Format | Range | Memo |
|---|---|---|---|---|
| B | I | ddd | 1-10000 | Input relay |
| B | Q | ddd | 1-10000 | Output relay |
| B | M | ddd | 1-10000 | Auxiliary relay |
| B | G | ddd | 1-7680 | |
| B | T | ddd | 1-256 | |
| W | AI | ddd | 1-10000 | Analog input register |
| W | AQ | ddd | 1-10000 | Analog output register |
| W | R | ddd | 1-32640 | Data register |
| B | SA | ddd | 1-128 | |
| B | SB | ddd | 1-128 | |
| B | SC | ddd | 1-128 | |
| B | S | ddd | 1-128 | |

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# Wiring diagram:

Memo：90 VersaMax series PLC of GE FANUC includes such series as 90-30, 90-70, VersaMax Micro, VersaMax Nano and VersaMax,etc., CPU of 90-30series can pass RS485 serial com port on module, utilize SNP serial communication protocol of GE to connect with EasyView MT8000HMI, In addition, CPU331/340/341/350/351/352/360/363/364 can also connect through CMM311 Communication Module, CPU351/352/363/364 also can connect through serial com port on CPU Unit；90-70 series CPU can also connect through CMM711 Communication Module or connect through serial com port on CPU Unit；Relevant software and hardware are set up concretely please consult the technical manual that GE GE Fanuc offered.

CPU port(90-30/VersaMax)

| MT8000 COM1[485] | 90-30/VersaMax |
| 9P D-SUB | RS485 port |
| | 15P SUB-D Female |

| 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 |

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

| MT8000 PLC[232] | 90-30/90-70 series |
| 9P D-SUB Female | RS232　port |
| | 6P RJ-11 Female |

| 3 | TX | 5 | RX |
| 2 | RX | 2 | TX |
| 5 | GND | 3 | GND |



6P RJ-11 Female

MT8000 RS232

9P D-SUB

VersaMax series

RS232 port

9P SUB-D Female

| COM1 | COM2 | COM3 | | |
|---|---|---|---|---|
| 3　TX | 4　TX | 7　TX | 3 | RX |
| 2　RX | 6　RX | 8　RX | 2 | TX |
| 5　GND | 5　GND | 5　GND | 5 | GND |

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

MT8000 RS232

9P D-SUB

VersaMax series

RS232 port

9P SUB-D Female

| COM1 | COM2 | COM3 |
|------|------|------|
| 3 TX | 4 TX | 7 TX |
| 2 RX | 6 RX | 8 RX |
| 5 GND | 5 GND | 5 GND |

| | |
|---|---|
| 3 | RX |
| 2 | TX |
| 5 | GND |

# Driver Version:

| Version | Date | Description of Changes |
|---------|------|------------------------|
| V1.20 | Jan/09/2009 | |