

IDEC MicroSmart FC6A Series

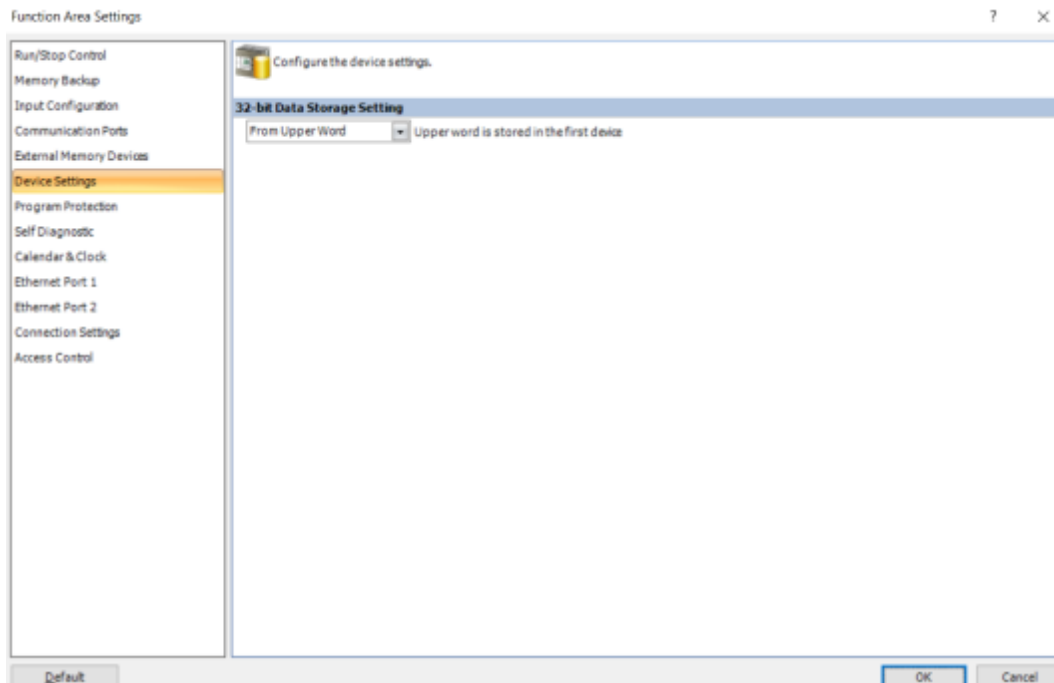
Supported Series: IDEC MicroSmart FC5A/FC6A Series

Website: <http://www.idec.com>

HMI Setting:

| Parameters | Recommended | Options | Notes |
|---------------------------------|-----------------------------|-------------------------|--------------------------------|
| PLC type | IDEC MicroSmart FC6A Series | | |
| PLC I/F | RS232 | RS232, RS485, Ethernet | |
| Baud rate | 9600 | 9600, 19200 | |
| Data bits | 7 | 7, 8 | |
| Parity | Even | Even, Odd, None | |
| Stop bits | 1 | 1 | |
| PLC sta. no. | 255 (for 1:1 connect) | 0-255 | 255 or same as the PLC setting |
| 32-bit data storage from | Upper Word | Upper Word / Lower Word | *Note1 |

*Note1: According to software settings



| | | |
|----------------------------|-----|---------------------------------------|
| Online simulator | YES | |
| Extend address mode | YES | Do not set the PLC Station No. to 255 |

PLC Setting:

| | |
|---------------------------|---|
| Communication mode | 9600, E, 7, 1 (default), Use Computer Link Protocol |
|---------------------------|---|

Device Address:

| Bit/Word | Device type | Format | Range | Memo |
|----------|-------------|----------|-------------|-------------------------|
| B | I | DDo | 0 ~ 637 | Input (I) |
| B | Q | DDo | 0 ~ 637 | Output (Q) |
| B | M | DDDDo | 0 ~ 17497 | Internal Relay (M) |
| B | R | DDD | 0 ~ 255 | Shift Register (R) |
| B | T | DDDD | 0 ~ 1023 | Timer (T) |
| B | C | DDD | 0 ~ 511 | Counter (C) |
| B | D_Bit | DDDDDDdd | 0 ~ 5599915 | Data Register Bit |
| W | IW | DDo | 0 ~ 620 | Input (16bit) |
| W | QW | DDo | 0 ~ 620 | Output (16bit) |
| W | MW | DDDDo | 0 ~ 17480 | Internal Relay (16bit) |
| W | RW | DDD | 0 ~ 240 | Shift Register (16bit) |
| W | TP | DDDD | 0 ~ 1023 | Timer Preset |
| W | CP | DDD | 0 ~ 511 | Counter Preset |
| W | TC | DDDD | 0 ~ 1023 | Timer Current |
| W | CC | DDD | 0 ~ 511 | Counter Current |
| W | D | DDDDD | 0 ~ 55999 | Data Register (16bit) |
| DW | I_32Bit | DDo | 0 ~ 600 | Input (32bit) |
| DW | Q_32Bit | DDo | 0 ~ 600 | Output (32bit) |
| DW | M_32Bit | DDDDo | 0 ~ 17460 | Internal Relay (32bit) |
| DW | R_32Bit | DDD | 0 ~ 224 | Shift Register (32bit) |
| DW | D_32Bit | DDDDD | 0 ~ 55998 | Data Register (32bit) |
| DW | CP_32Bit | DDD | 0 ~ 510 | Counter Preset (32bit) |
| DW | CC_32Bit | DDD | 0 ~ 510 | Counter Current (32bit) |

Wiring Diagram:

Diagram 1

RS-232 (MicroSmart, SmartAxis CPU Ladder Port)

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

The following is the view from the soldering point of a connector.

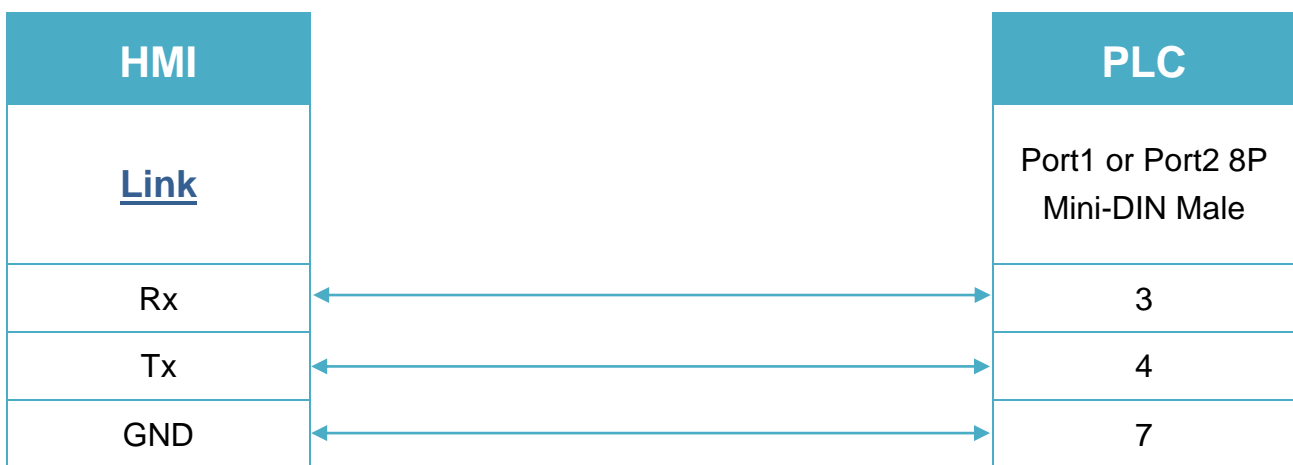


Diagram 2

RS-485 2W (MicroSmart, SmartAxis with FC4A-PC2 RS485 Communication Adapter)

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

The following is the view from the soldering point of a connector.

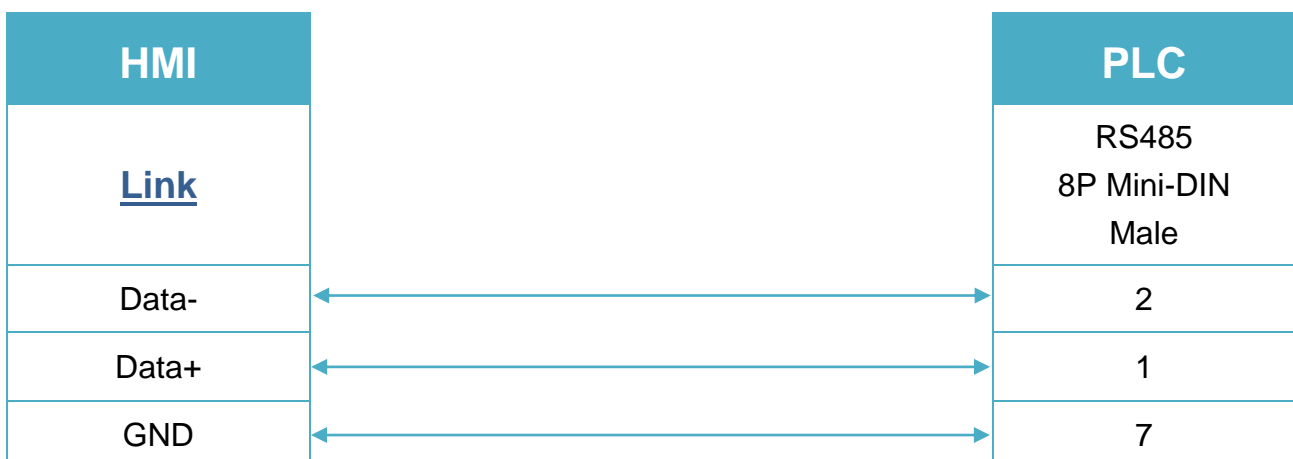


Diagram 3

RS-485 2W (MicroSmart, SmartAxis with FC4A-PC3 RS485 Communication Adapter)

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

The following is the view from the soldering point of a connector.

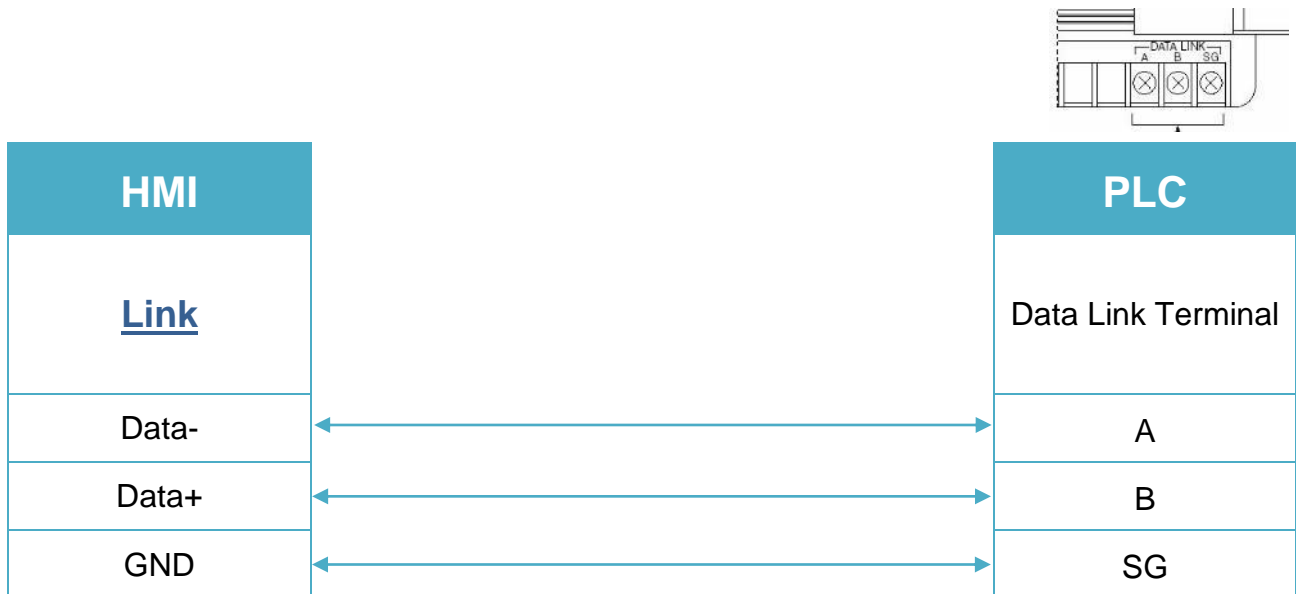


Diagram 4

Ethernet cable:

