

IDEC MicroSmart

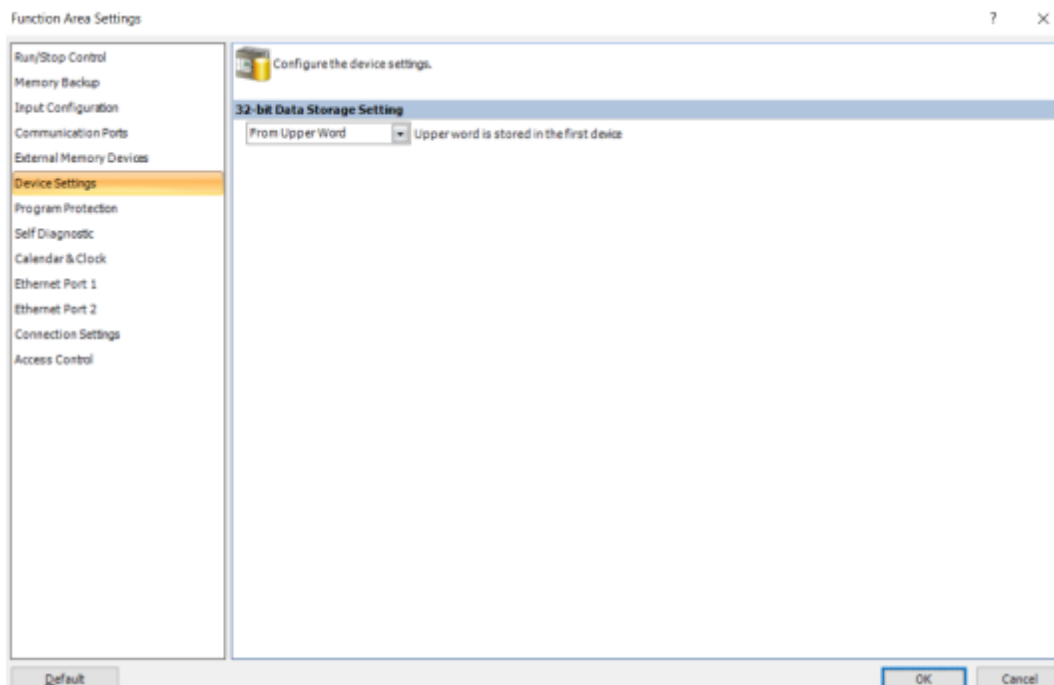
Supported Series: IDEC MicroSmart, SmartAxis series

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

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	IDEC MicroSmart		
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
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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	I	DDDDo	0 ~ 20477	Input (I)
B	Q	DDDDo	0 ~ 20477	Output (Q)
B	M	DDDDo	0 ~ 20477	Internal Relay (M)
B	R	DDDD	0 ~ 2047	Shift Register (R)
B	T	DDDD	0 ~ 2047	Timer (T)
B	C	DDDD	0 ~ 2047	Counter (C)
W	TP	DDDD	0 ~ 9999	Timer Preset
W	CP	DDDD	0 ~ 9999	Counter Preset
W	D	DDDD	0 ~ 9999	Data Register (D)
W	TC	DDDD	0 ~ 9999	Timer Current
W	CC	DDDD	0 ~ 9999	Counter Current
DW	D_32Bit	DDDD	0 ~ 9998	Data Register (D) (32bit)
DW	CP_32Bit	DDDD	0 ~ 9998	Counter Preset (32bit)
DW	CC_32Bit	DDDD	0 ~ 9998	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.

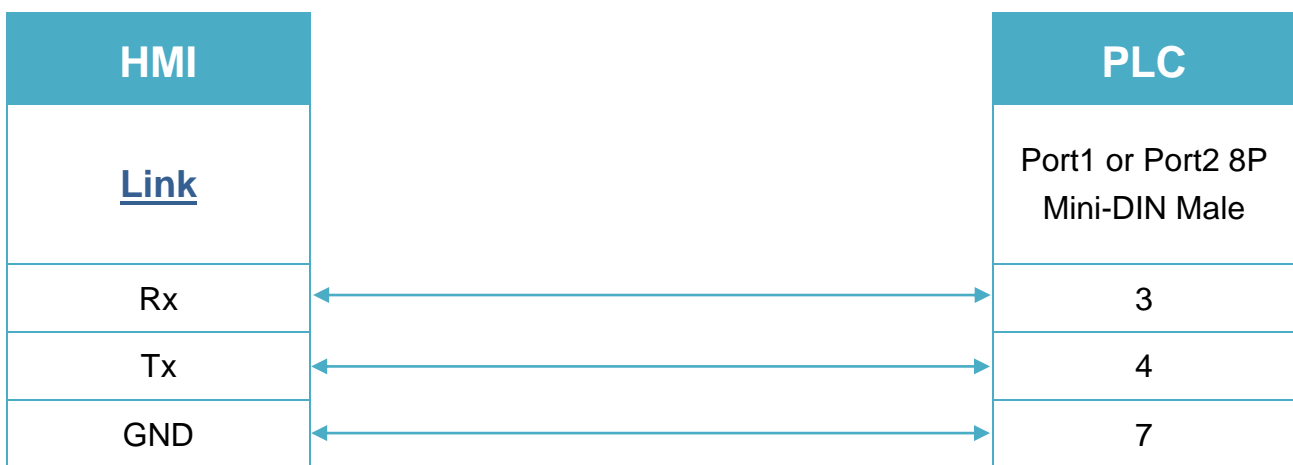


Diagram 2

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.

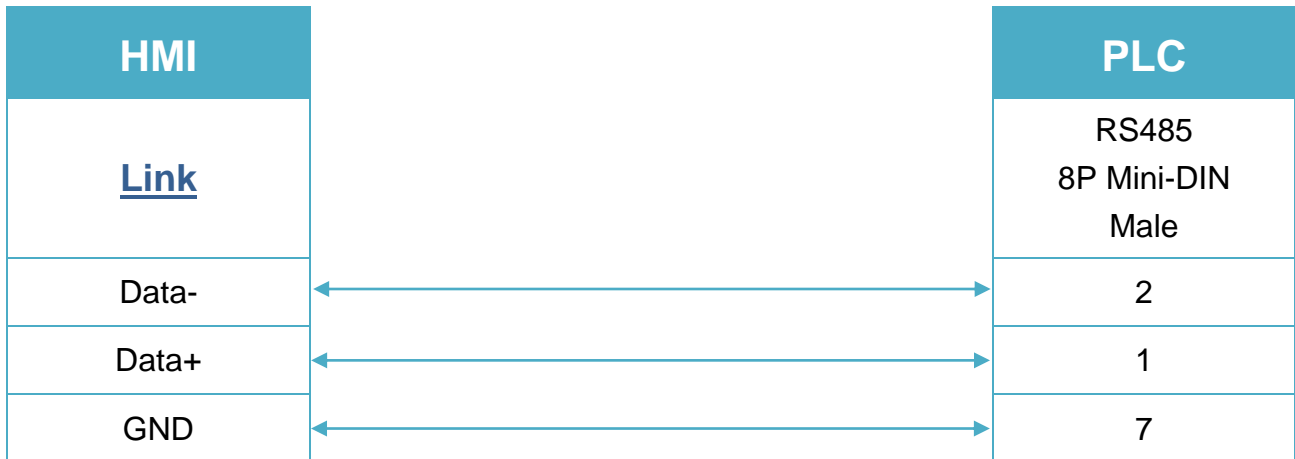


Diagram 3

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.

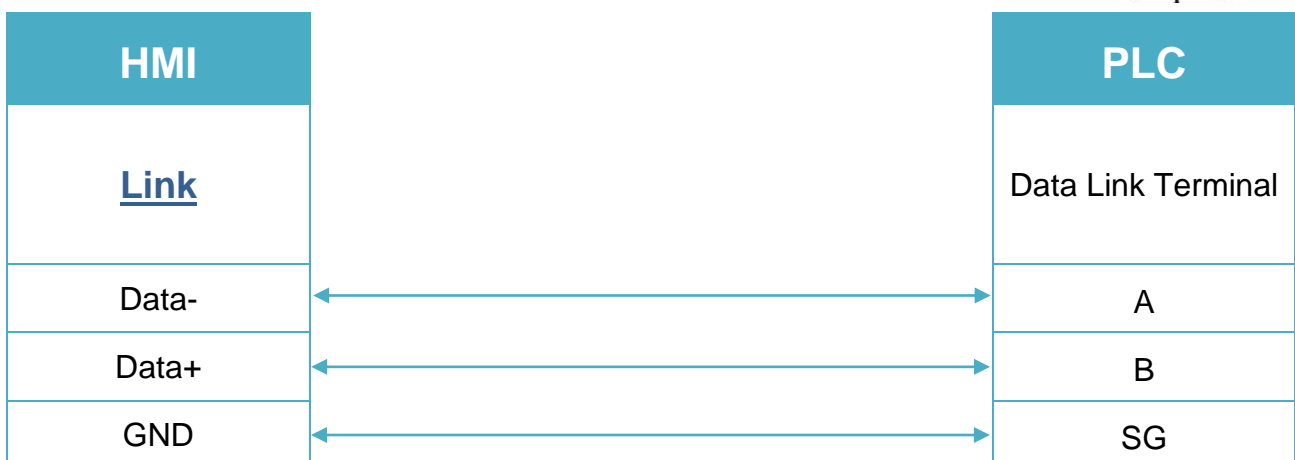
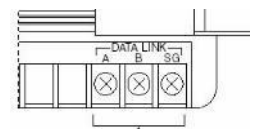


Diagram 4

Ethernet cable:

