

## IDEC MicroSmart

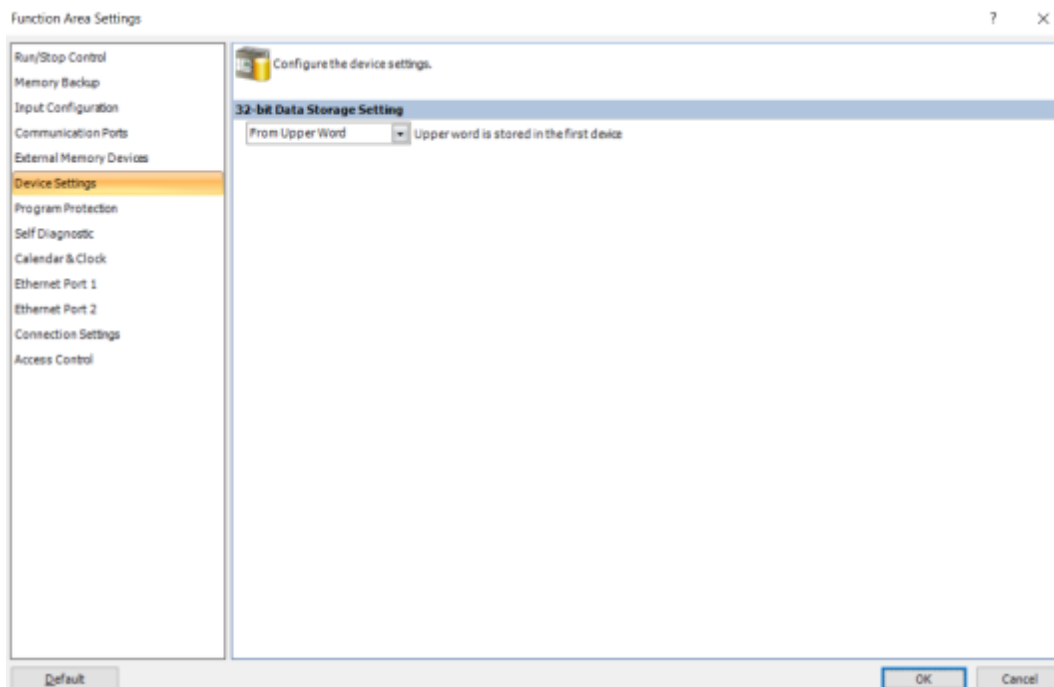
Supported Series: IDEC MicroSmart, SmartAxis series

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

### HMI Setting:

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

\*Note1: According to software settings



<b>Online simulator</b>	YES	
<b>Extend address mode</b>	YES	Do not set the PLC Station No. to 255

## PLC Setting:

<b>Communication mode</b>	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 Currnet
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 Currnet (32bit)

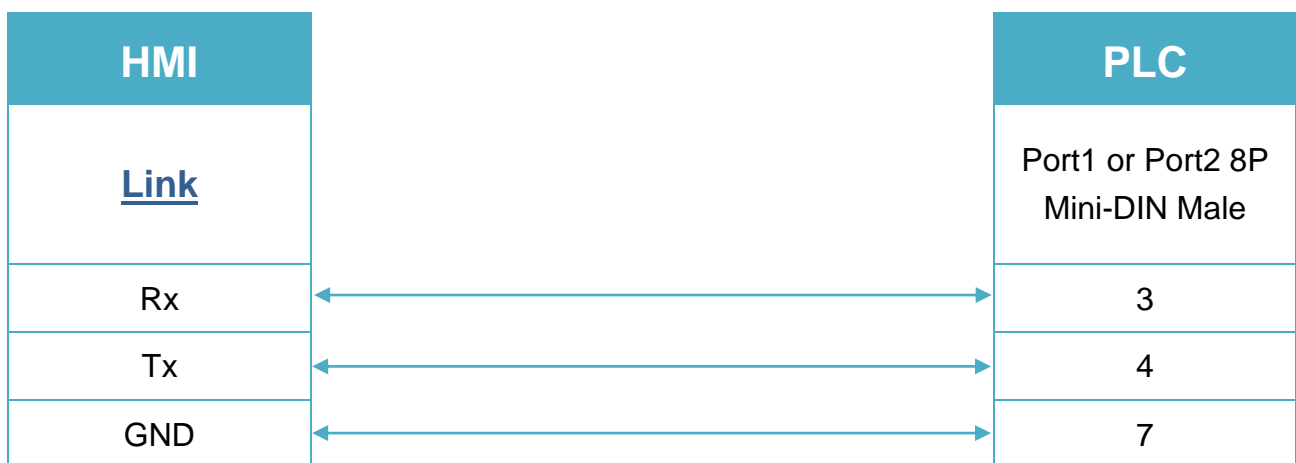
## Wiring Diagram:

### 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.**

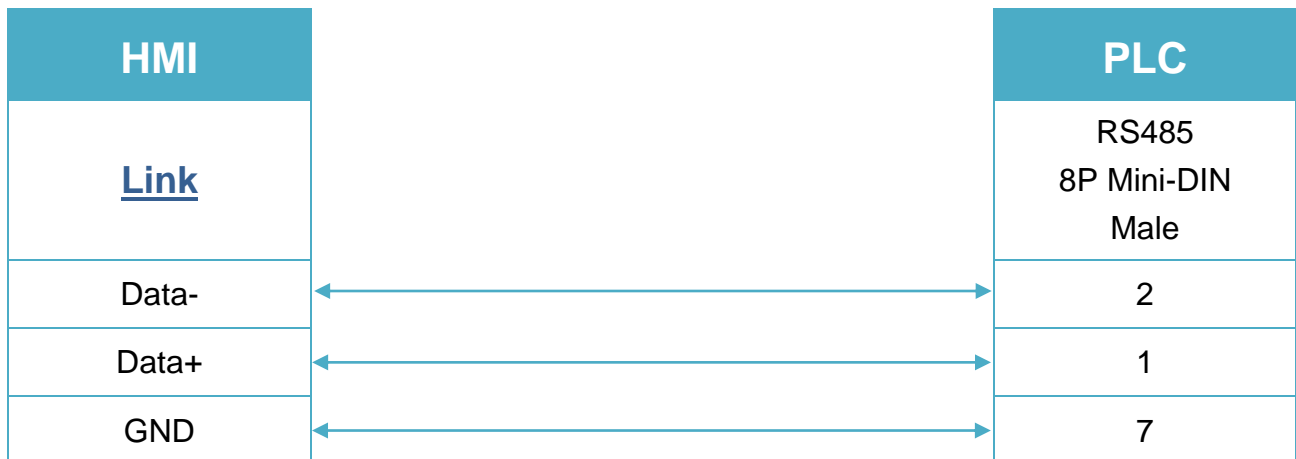


## Diagram 2

**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.**

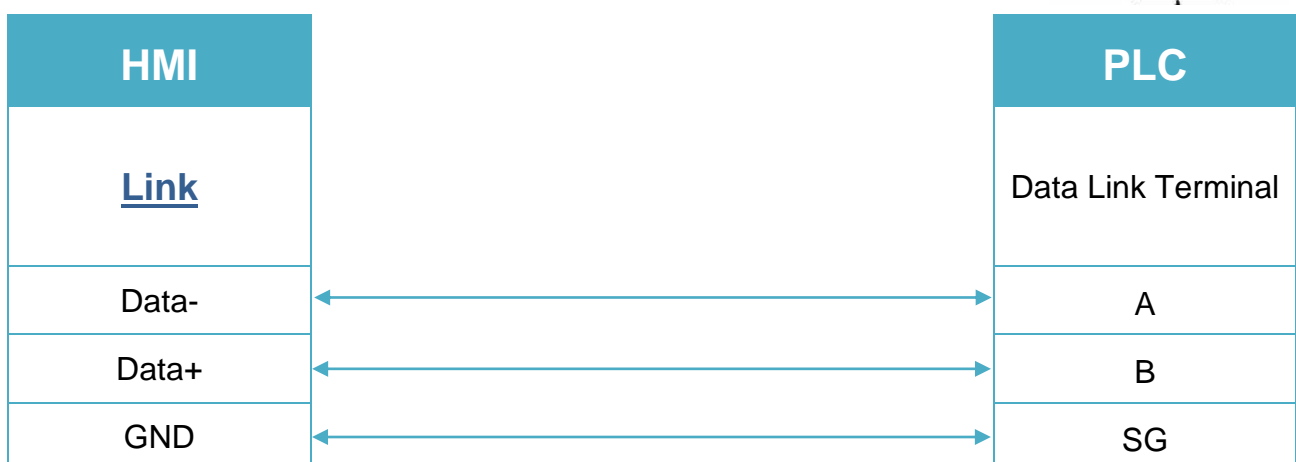
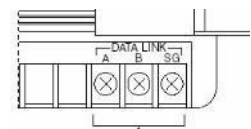


## Diagram 3

**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:

