

## IDEC MicroSmart FC6A Series

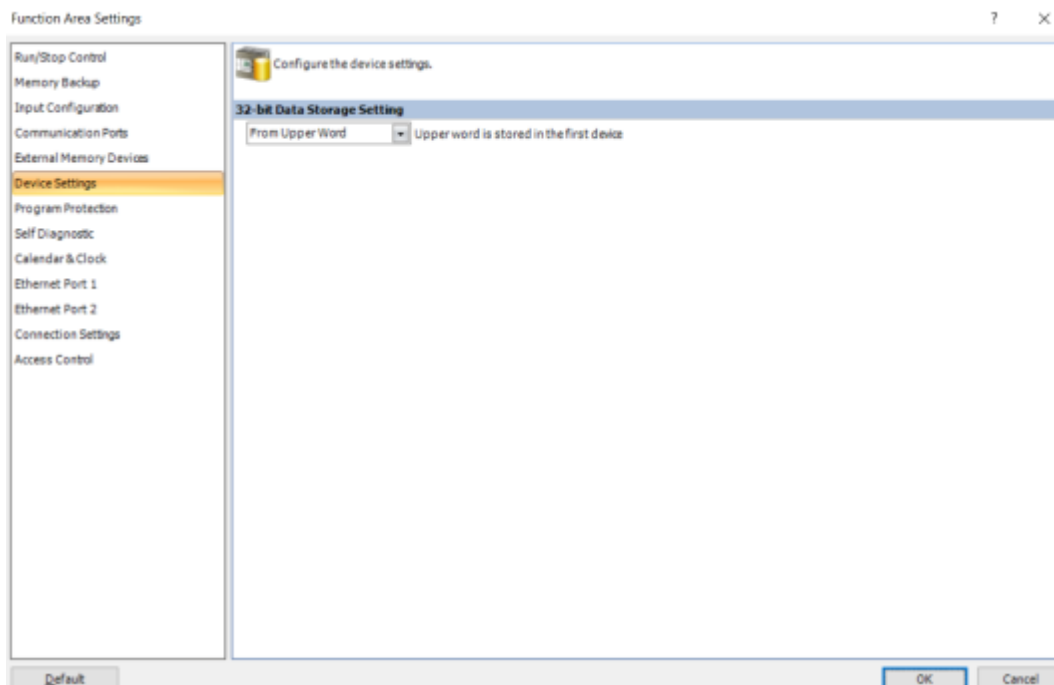
Supported Series: IDEC MicroSmart FC5A/FC6A Series

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

### HMI Setting:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	IDEC MicroSmart FC6A Series		
<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	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.**

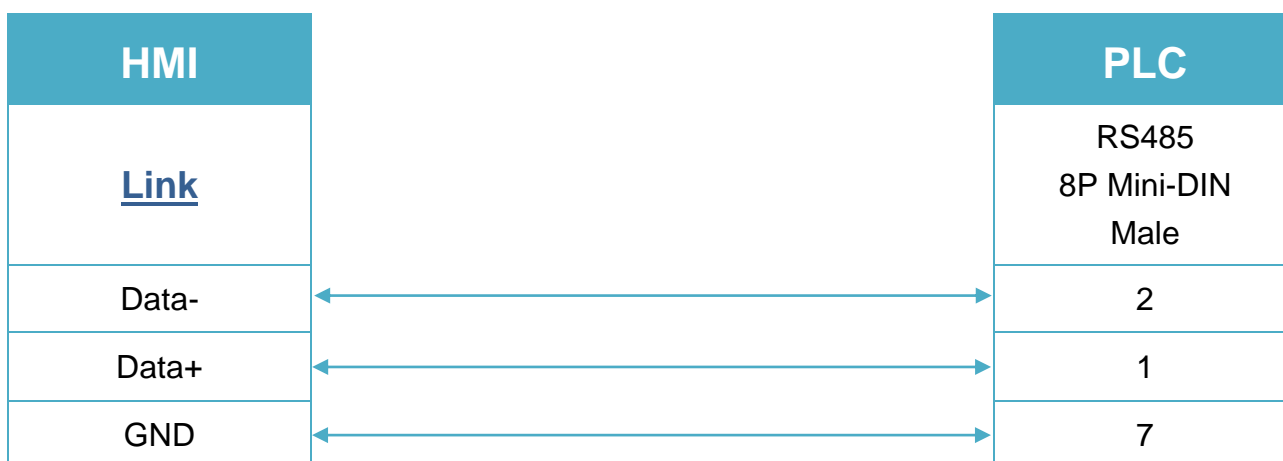


### Diagram 2

#### 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.**

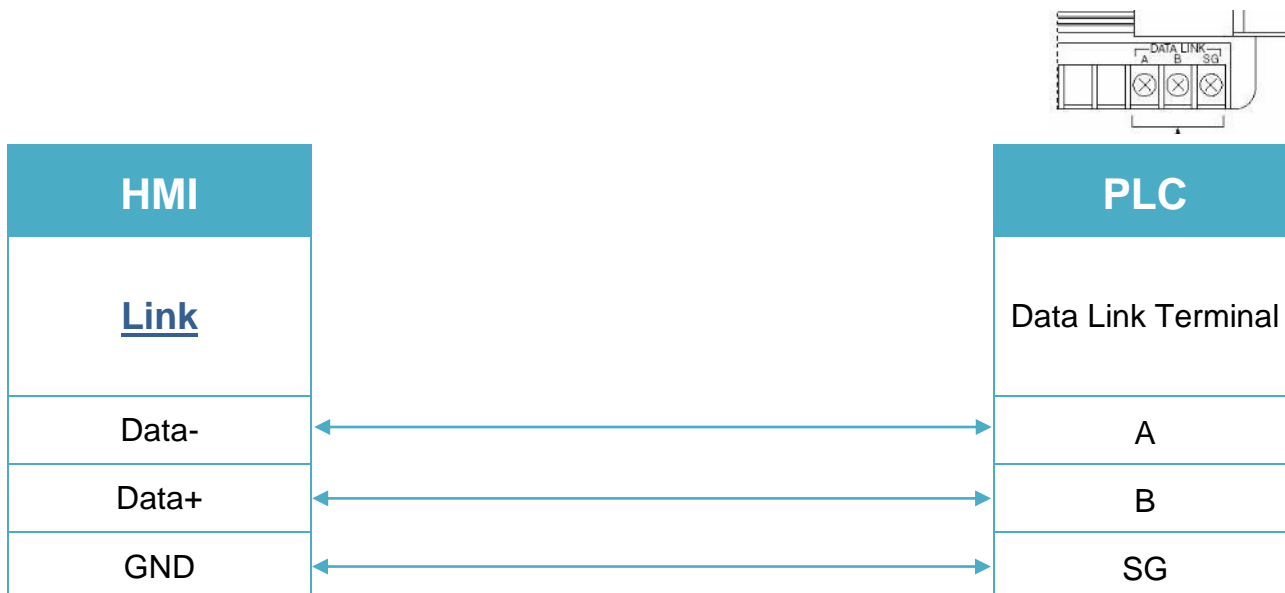


### Diagram 3

**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:**

