

IDEC MicroSmart FC6A Series

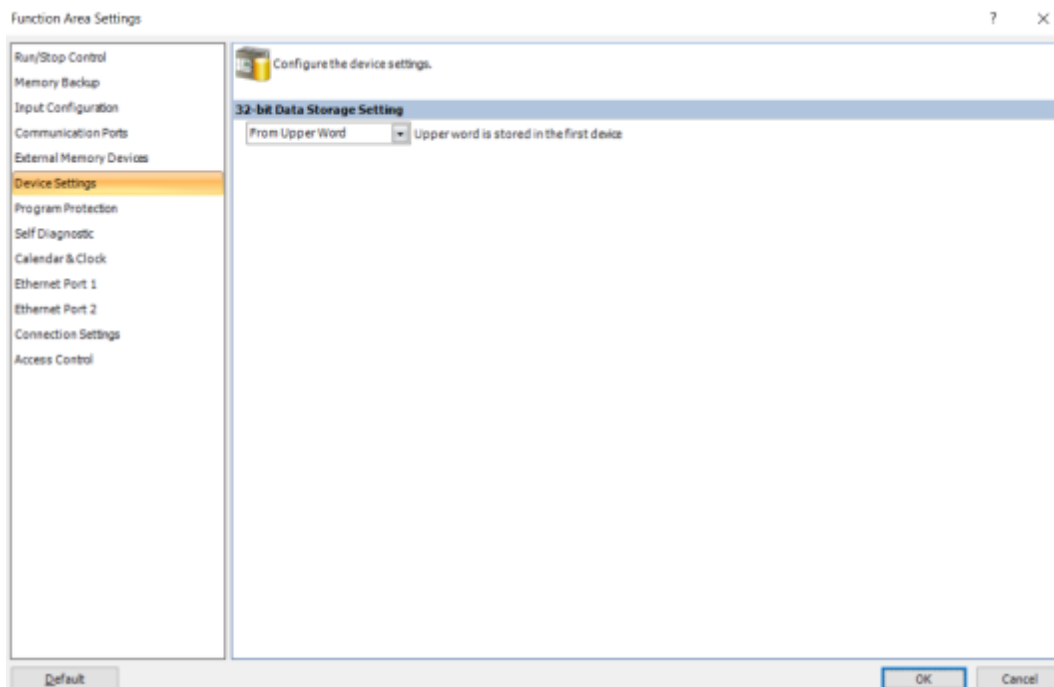
Supported Series: IDEC MicroSmart FC5A/FC6A Series

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 Currnet
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 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.

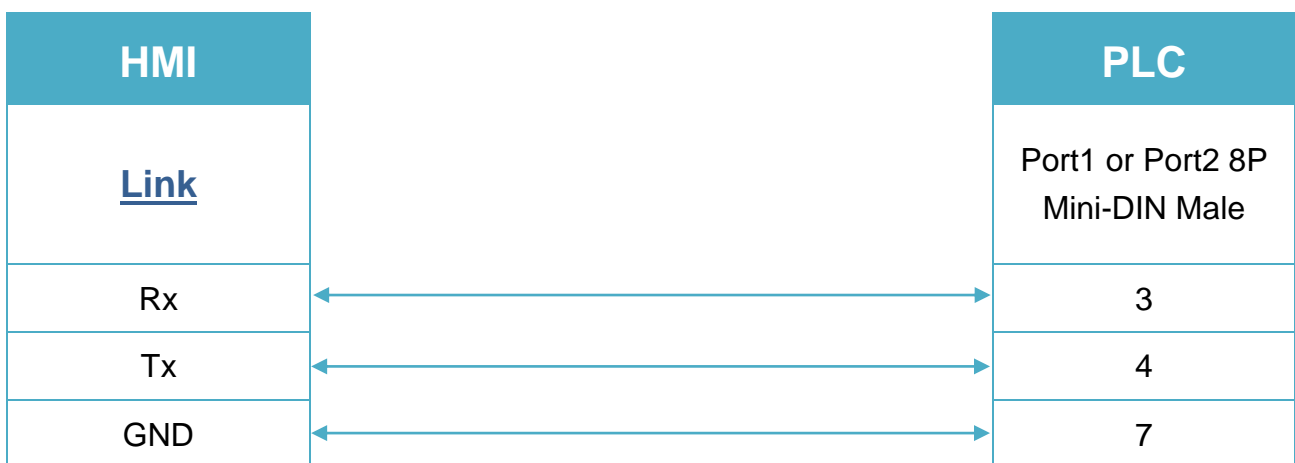


Diagram 2

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.

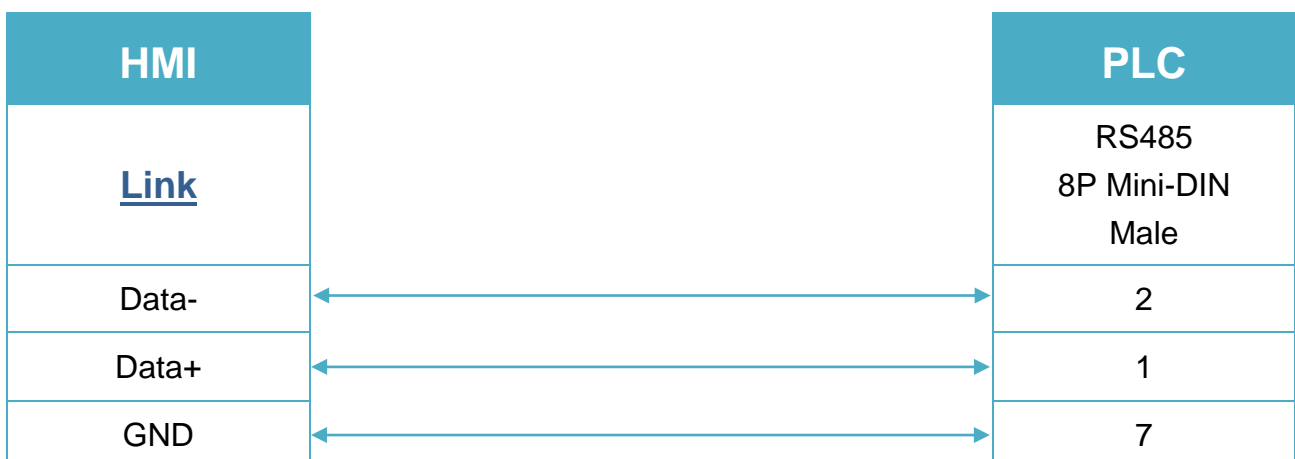


Diagram 3

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.

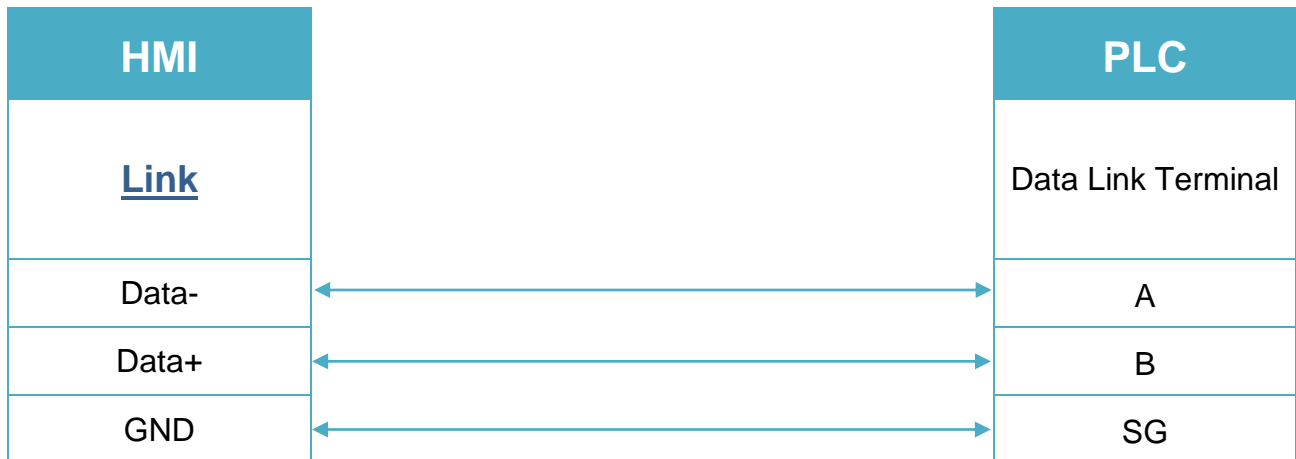
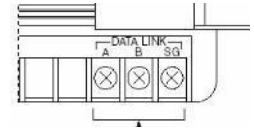


Diagram 4

Ethernet cable:

