

## FATEK FB/FBs/B1/B1z Series

Supported Series: FATEK FB/FBs/B1/B1z series, FB MC series, and FB MA series need FB-DTBR converter.

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

### HMI Setting:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	FATEK FB/FBs/B1/B1z Series		
<b>PLC I/F</b>	RS232	RS232/RS485/Ethernet	
<b>Baud rate</b>	9600		
<b>Data bits</b>	7		
<b>Parity</b>	Even		
<b>Stop bits</b>	1		
<b>PLC sta. no.</b>	1	0-255	Must match PLC port setting.
<b>Port no.</b>	500		Ethernet only.

\*Support communications between HMI and PLC in pass-through mode

\*Set LW-9903 to 2 to enhance the speed of download/upload PLC program in pass-through mode

### Device Address:

Bit/Word	Device type	Format	Range	Memo
B	X	DDDD	0 ~ 9999	Input
B	Y	DDDD	0 ~ 9999	Output
B	M	DDDD	0 ~ 9999	Internal Relay
B	S	DDDD	0 ~ 9999	Step Relay
B	T	DDDD	0 ~ 9999	Timer
B	C	DDDD	0 ~ 9999	Counter
B	PLC_MODE	D	0	PLC mode
B	R_Bit	DDDDdd	0 ~ 999915	
B	D_Bit	DDDDdd	0 ~ 999915	
B	T_FBe	DDDD	0 ~ 9999	Timer for FBe Model
B	C_FBe	DDDD	0 ~ 9999	Counter for FBe Model
W	RT	DDDD	0 ~ 9999	Timer Register
W	RC	DDDD	0 ~ 9999	Counter Register
W	R	DDDD	0 ~ 9999	Data Register

Bit/Word	Device type	Format	Range	Memo
W	D	DDDD	0 ~ 9999	Data Register
W	DRT	DDDD	0 ~ 9999	Double Word Timer Register
W	DRC	DDD	200 ~ 255	Double Word Counter Register
W	WX	DDDD	0 ~ 9999	Input Word (8-bit)
W	WY	DDDD	0 ~ 9999	Output Word (8-bit)
W	WM	DDDD	0 ~ 9999	Internal Relay Word (8-bit)
W	WS	DDDD	0 ~ 9999	(8-bit)
W	FR	DDDD	0 ~ 9999	
W	WX_16BIT	DDDD	0 ~ 9999	
W	WY_16BIT	DDDD	0 ~ 9999	
W	WM_16BIT	DDDD	0 ~ 9999	
W	WS_16BIT	DDDD	0 ~ 9999	

**Note:** T\_FBe, C\_FBe exclusive FBe model use, other models please use T, C.

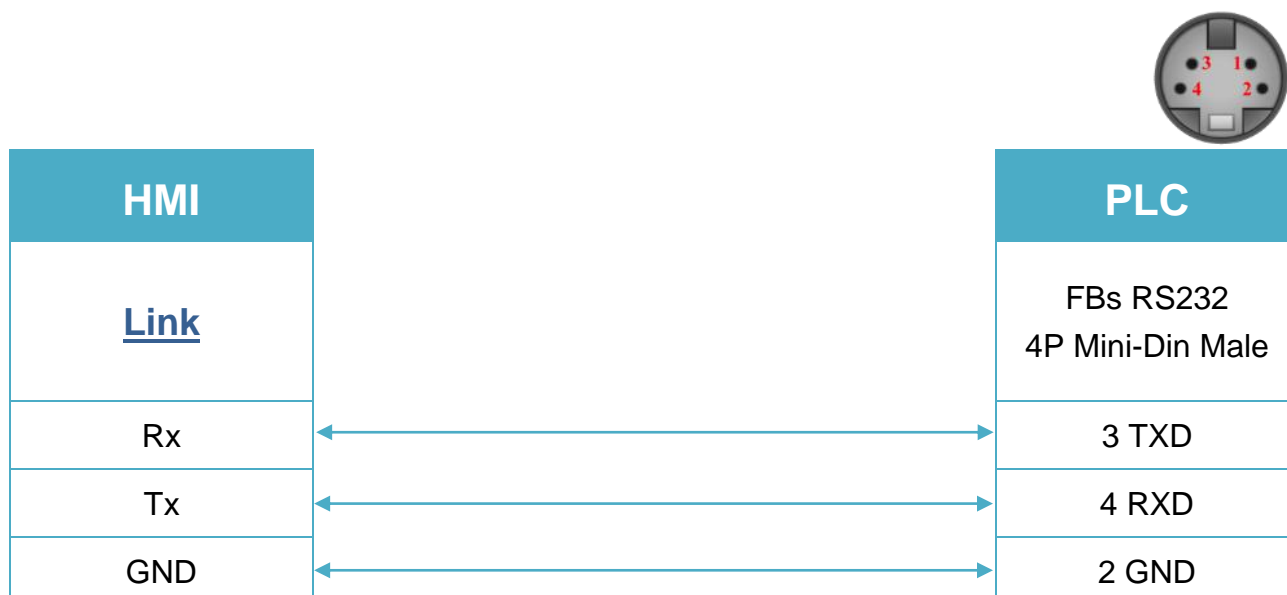
## Wiring Diagram:

### Diagram 1

#### RS-232 (FBs Port0: RS-232 4P Mini-DIN)

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

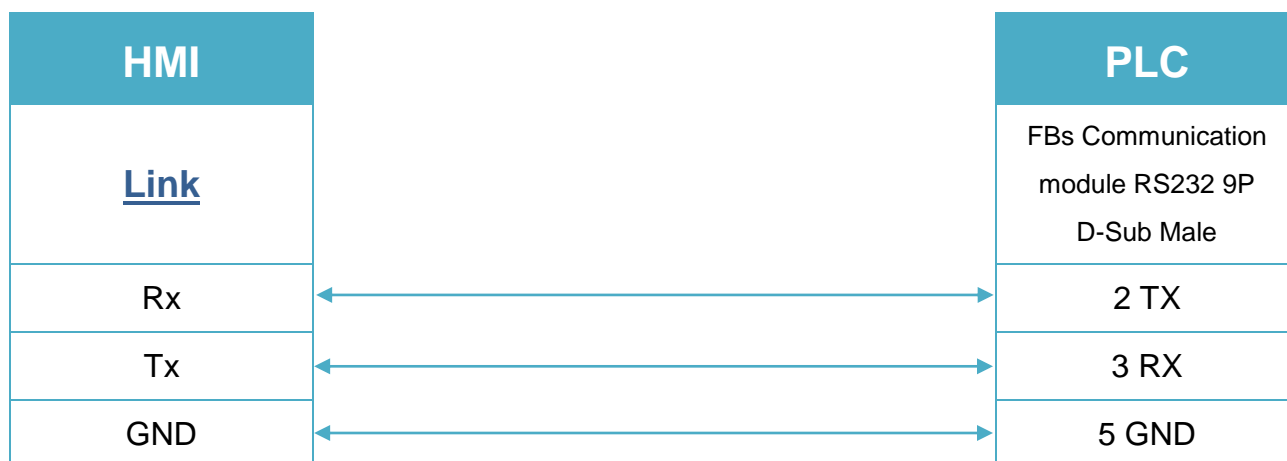
**The following is the view from the soldering point of a connector.**



## Diagram 2

**RS-232** (FBs communication module: RS-232 9P D-Sub)

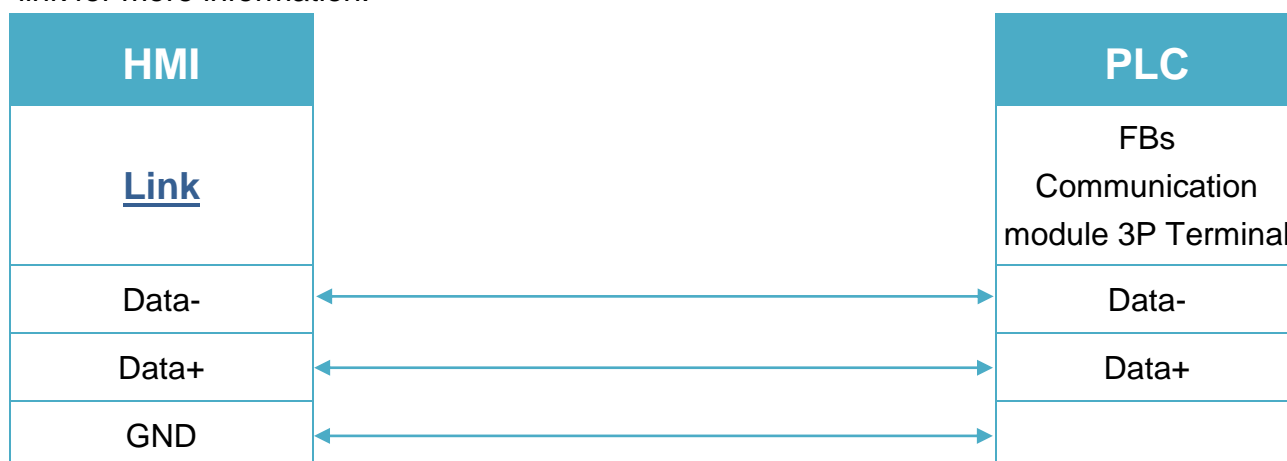
The serial port pin assignments may vary between HMI models, please click the following link for more information.



## Diagram 3

**RS-485 2W** (FBs communication module 3P Terminal Block: RS-485 2W Terminal)

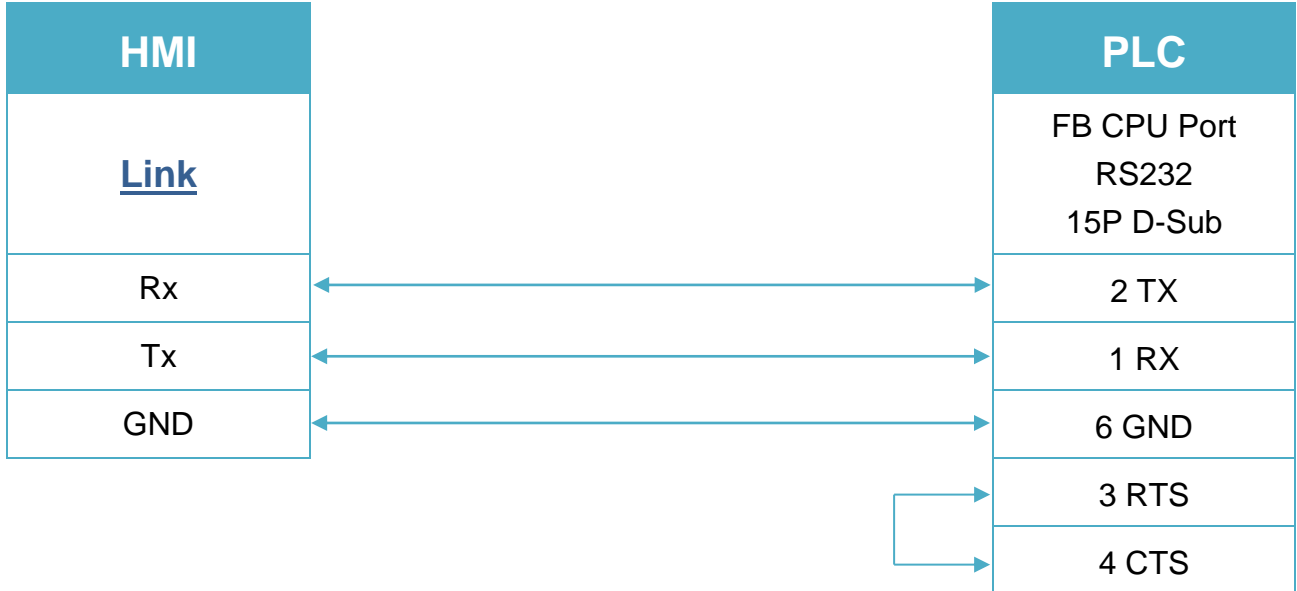
The serial port pin assignments may vary between HMI models, please click the following link for more information.



### Diagram 4

#### RS-232 (CPU Port: RS-232 15P D-Sub)

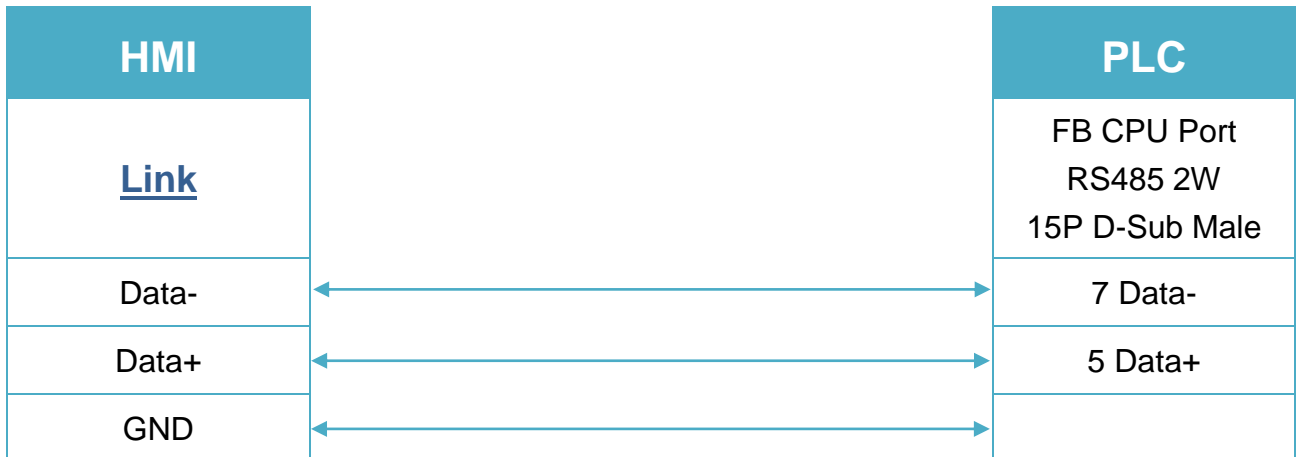
The serial port pin assignments may vary between HMI models, please click the following link for more information.



### Diagram 5

#### RS-485 2W (CPU Port: RS-485 2W 15P D-Sub)

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



## Diagram 6

Ethernet cable:

