

## Panasonic FP/KW

Supported Series: NAIS (Matsushita) FP/KW series include FP-X, FP-XH, FP-Σ, FP0, FP1, FP2, FP2SH, FP10SH, FP7

Website: <http://pewa.panasonic.com/>

### HMI Settings:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	Panasonic FP/KW		
<b>PLC I/F</b>	RS232	RS232/RS485	
<b>Baud rate</b>	9600	9600, 19200, 38400,	
<b>Data bits</b>	8	7 or 8	
<b>Parity</b>	Odd	Even, Odd, None	
<b>Stop bits</b>	1	1 or 2	
<b>PLC sta. no.</b>	1	1-32	Must match the PLC port setting. FP3 must set to 0.

\*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

\*When using pass-through, the driver will stop communication between HMI and PLC.

### PLC Settings:

<b>Operating mode setting</b>	MEWTOCOL-COM
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### Device Address:

Bit/Word	Device type	Format	Range	Memo
B	X	DDDDh	0 ~ 9999f	Input (X)
B	Y	DDDDh	0 ~ 9999f	Output (Y)
B	R	DDDDh	0 ~ 9999f	Internal Relay (R)
B	L	DDDD	0 ~ 9999	Link Relay (L)
B	L_Bit	DDDDh	0 ~ 9999f	
B	T	DDDD	0 ~ 9999	Timer (T)
B	C	DDDD	0 ~ 9999	Counter (C)
W	SV	DDDD	0 ~ 9999	Timer/Counter Set Value
W	EV	DDDDD	0 ~ 65535	Timer/Counter Elapse Value

Bit/Word	Device type	Format	Range	Memo
W	DT	DDDDD	0 ~ 99999	Data Register (DT)
W	LD	DDDD	0 ~ 8447	Link Register (LD)
W	WX	DDDD	0 ~ 9999	Input (WX) (read only)
W	WY	DDDD	0 ~ 9999	Output (WY)
W	WR	DDDD	0 ~ 9999	Internal Relay (WR)
W	WL	DDDD	0 ~ 9999	Link Relay (WL)
W	FL	DDDDD	0 ~ 99999	File Register (FL)
W	DT_String	DDDDD	0 ~ 99999	*Note

Note:

Data table for character strings show the character string size, the number of characters, and the character data.

The example shows a character string data table specifying the following:

Character string size:6

Number of characters: 6

Character data: " ABCDEF"

DT0	6	← Max. number of characters that can be stored
DT1	6	← Number of characters stored in the character string
DT2	AB	} Character data
DT3	CD	
DT4	EF	
DT5		
DT6		

As mentioned above, DT\_String will start reading from character data, and writing will automatically fill in character string size and number of characters, so it is not recommended to use DT\_String in data sampling.

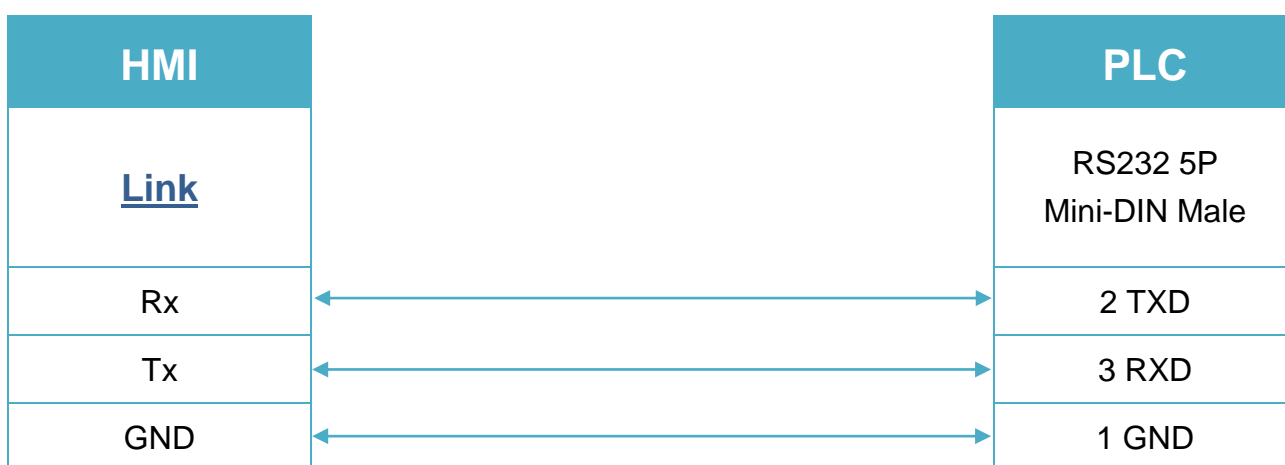
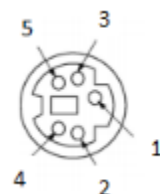
## Wiring Diagram:

### Diagram 1

**RS-232** (FP0, FP2, FP2SH, FPM CPU : 9P D-Sub to 5P Mini-DIN)

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

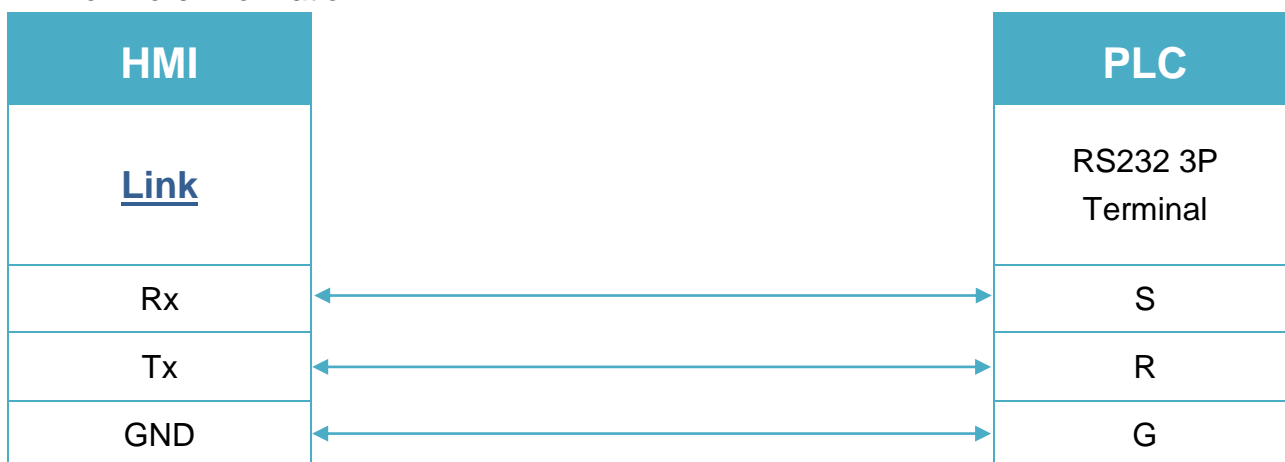
**The following is the view from the soldering point of a connector.**



### Diagram 2

**RS-232** (FP0 CPU : 9P D-Sub to 3P Terminal)

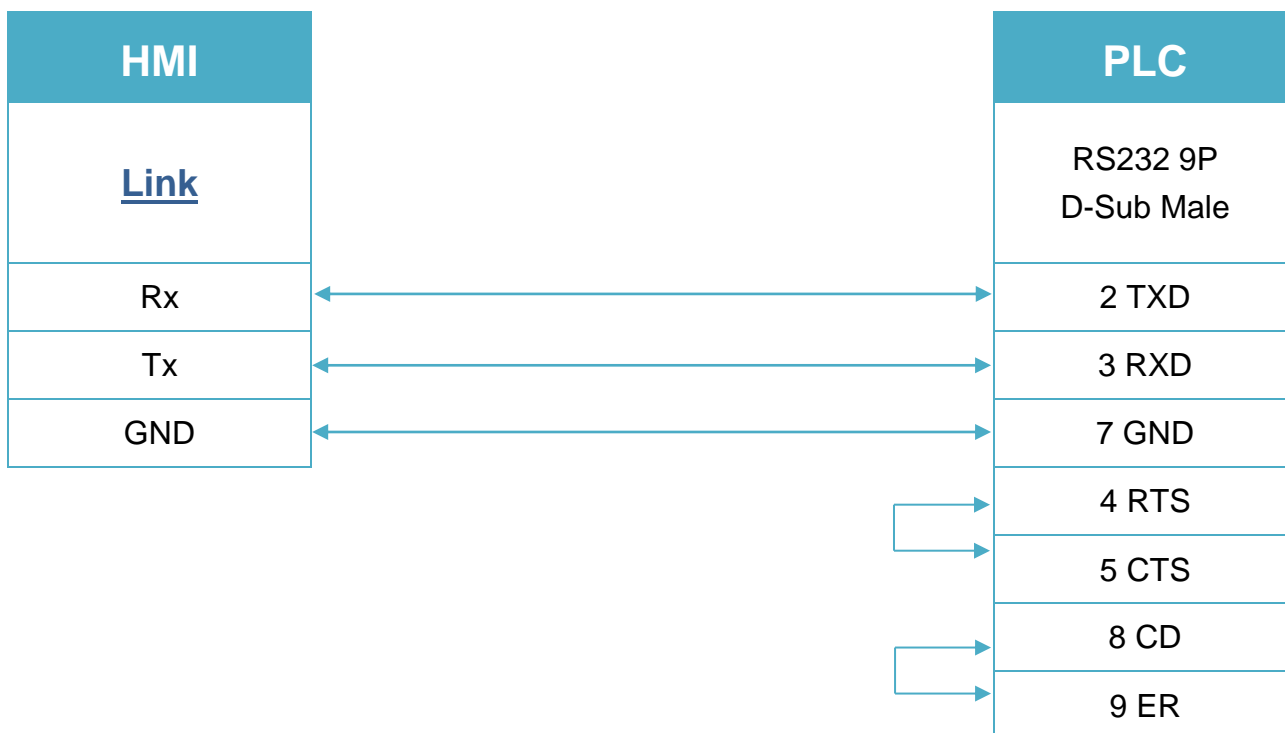
The serial port pin assignments may vary between HMI models, please click the following link for more information.



### Diagram 3

#### RS-232 (RS232 9P D-Sub Male)

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

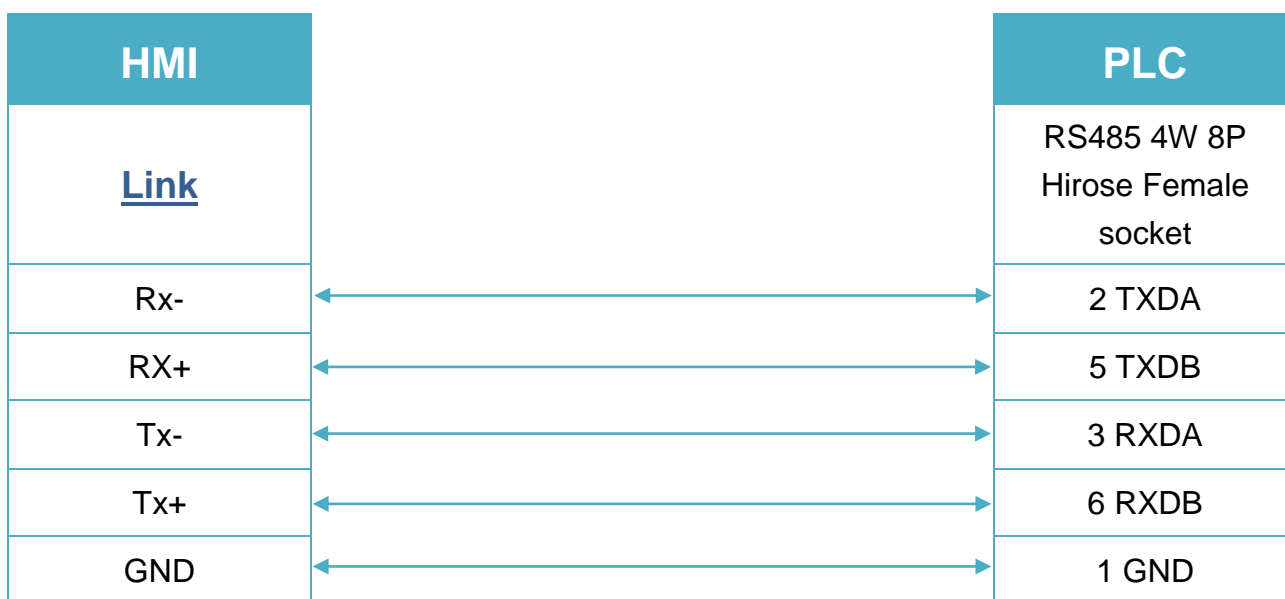
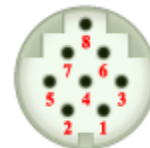


## Diagram 4

### RS-485 4W (FP1 CPU : 9P D-Sub to 8P MiniDIN)

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 5

### RS-485 4W (FP3 CPU : 9P D-Sub to 15P D-Sub)

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

