

# Panasonic FP

NAIS(Matsushita) FP series include FP-X, FP-Σ, FP0, FP1, FP2, FP2SH, FP10SH and FP3

Ethernet support FP-X with AFPX-COM5.

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

## HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	Panasonic FP		
Com port	RS232	RS232/RS485, Ethernet	Must match the PLC's port setting.
Baud rate	9600	9600, 19200, 38400, 57600, 115200	Must match the PLC's port setting.
Parity bit	Odd	Even, Odd, None	Must match the PLC's port setting.
Data Bits	8	7 or 8	Must match the PLC's port setting.
Stop Bits	1	1 or 2	Must match the PLC's port setting.
HMI Station No.	0	0-255	Does not apply to this protocol.
PLC Station No.	1	0-255	Must match the PLC's port setting. <b>FP3 must set 0.</b>

## PLC Setting:

Communication mode	<b>9600,O,8,1(default)</b>
Select	

## Device address:

Bit/Word	Device Type	Format	Range	Memo
B	X	dddd(h)	0~9999F	Input(X)
B	Y	dddd(h)	0~9999F	Output(Y)
B	R	dddd(h)	0~9999F	Internal Relay(R)
B	L	dddd	0~9999	Link Relay(L)
B	L_Bit	dddd(h)	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(SV)
W	EV	dddd	0~65535	Timer/Counter elapse value(EV)
W	DT	dddd	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	dddd	0~99999	File register(FL)
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## Wiring diagram:

MT8000 RS232

**9P D-SUB**

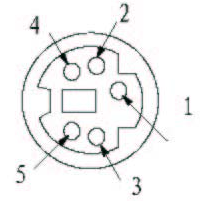
COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

FP0, FP2, FP2SH,FPM

CPU Tool port

5P mini DIN RS-232

3 RXD
2 TXD
1 GND



Mini Din 5 Pin  
Female

MT8000 RS232

**9P D-SUB**

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

FP0 CPU RS232

3P terminal

R
S
G

MT8000 RS232

**9P D-SUB**

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

FP1, FP2, FP2SH,FP10SH CPU

9p D-SUB Male RS232

3 RXD
2 TXD
7 GND
4 RTS
5 CTS
8 CD
9 ER

MT8000

COM1[RS-485]4w

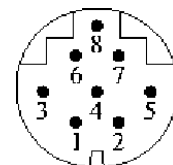
**9P D-SUB**

1 RX-
2 RX+
3 TX-
4 TX+
5 GND

FP1 CPU RS422 port

Hirose 8Pin Port

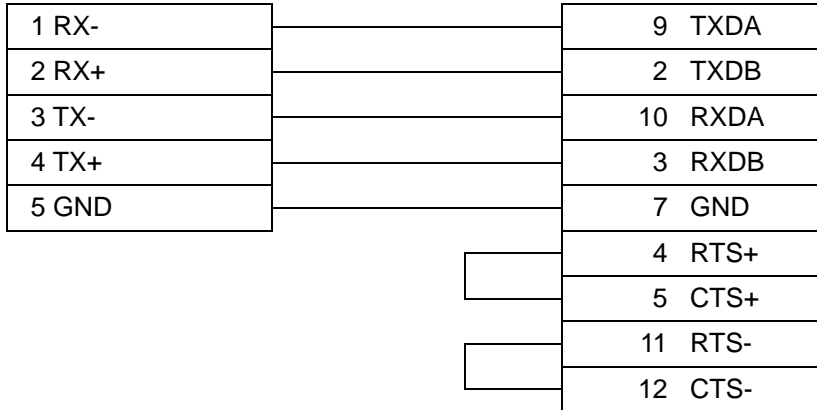
2 TXDA
5 TXDB
3 RXDA
6 RXDB
1 GND



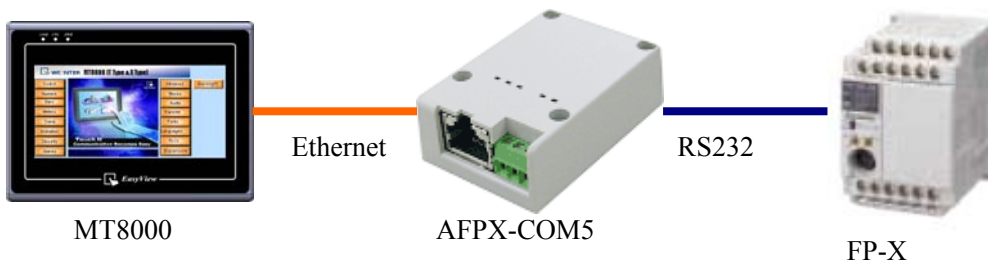
Hirose 8Pin Port

MT8000  
**COM1[RS-485]4w**  
 9P D-SUB

FP3 CPU RS422 port  
 15P D-SUB Female



Ethernet connect  
 TCP port: 9094



Device Properties

Name : Panasonic FP

HMI  PLC

Location : Local

PLC type : Panasonic FP

V.1.00, MATSUSHITA\_FP.so

PLC I/F : Ethernet  PLC default station no. : 1

IP : 192.168.1.15, Port=9094

Use broadcast command

Interval of block pack (words) : 5

Max. read-command size (words) : 24

Max. write-command size (words) : 24

OK

Cancel