

HITACHI H series (CPU port)

Compatible PLCs	
Family	Model
HITACHI H series	EH-150, Micro-EH, H20, H40, H64, H200, H250, H252, H300, H302, H700, H702, H1000, H1002, H2000, H4010

HITACHI Web site: <http://www.hitachi-ies.co.jp/english/products/plc/index.htm>

HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	HITACHI H-Series		
Com port	RS232	RS232, RS485	Must match the PLC's port setting.
Baud rate	19200	9600, 19200, 38400	Must match the PLC's port setting.
Parity bit	Even	Even	Must match the PLC's port setting.
Data Bits	7	7	Must match the PLC's port setting.
Stop Bits	1	1	Must match the PLC's port setting.
HMI Station No.	0	0-255	Does not apply to this protocol.
PLC Station No.	0	0-255	Does not apply to this protocol.

Online Simulator	YES	Broadcast command	NO
Extend address mode	NO		

PLC Setting:

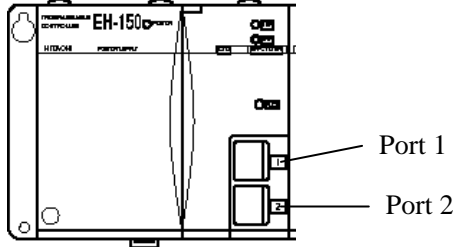
Communication mode	19200,E,7,1(default)
Select	

Device address :

Bit/Word	Device Type	Format	Range	Memo
B	X	hhh(h)	hhh: 0~FFFF (h):0~F	External Input-bit(X)
B	Y	hhh(h)	hhh: 0~FFFF (h):0~F	External Output-bit(Y)
B	M	hhh(h)	hhh: 0~FFFF (h):0~F	Data area-bit(M)
B	T	hhh(h)	hhh: 0~FFFF (h):0~F	Timer(T)
B	R	hhh(h)	hhh: 0~FFFF (h):0~F	Internal Output(R)
B	L	hhh(h)	hhh: 0~FFFF (h):0~F	Link area-bit(L)
W	TC	hhh	hhh: 0~FF	Timer/Counter current value
W	WX	hhh	hhh: 0~270F	External Input-word(X)
W	WY	hhh	hhh: 0~270F	External Output-word(Y)
W	WR	hhh	hhh: 0~270F	Internal Output-word(R)
W	WL	hhh	hhh: 0~270F	Link area-word(L)
W	WM	hhh	hhh: 0~270F	Data area-word(M)

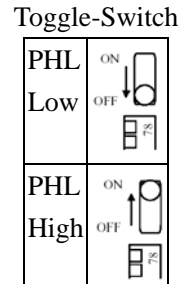
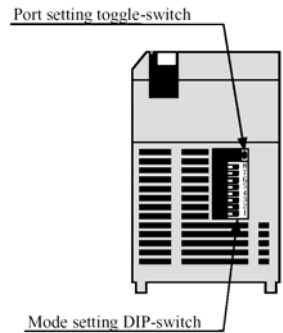
Wiring diagram :

WARNING: If your communications cable is not wired exactly as shown in our cable assembly instructions, damage to the MT8000 or loss of communications can result.



CPU TYPE	Port 1	Port 2
EH-150/CPU 104A	RS-232	RS-232
EH-150/CPU 208A	RS-232	RS-232
EH-150/CPU 308A	RS-232/RS-485	RS-232
EH-150/CPU 316A	RS-232/RS-485	RS-232
EH-150/CPU 448A	RS-232/RS-485	RS-232

Switch Number				
1	OFF		Normal mode	
2	OFF		TRNS0 operation	
3, 4	3	4	Port1 transmission speed	
	ON	ON	4,800 bps	Doesn't support
	OFF	ON	9,600 bps	
	ON	OFF	19,200 bps	Default
	OFF	OFF	38,400 bps	
5	ON		Dedicated port	
6	6	PHL	Port2 transmission speed	
	ON	Low	9,600 bps	
	ON	High	38,400 bps	
	OFF	Low	4,800 bps	Doesn't support
	OFF	High	19,200 bps	Default
7	OFF		(System mode)	Do not turn on.
8	OFF		(System mode)	Do not turn on.



EH-150 port1/port 2 RS232

MT8000 RS-232

9P D-SUB

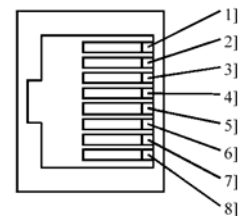
COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND
8 CTS		

HITACHI EH-150

port1 / port 2

8pin RJ45 Male

6 RD
5 SD
1 SG
8 RS
4 PHL
7 DR

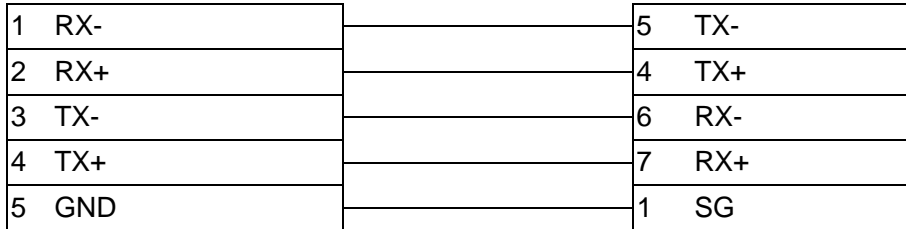


Port 1 / Port 2
8pin RJ45 Female

EH150port1 RS485 4wire (RS422):

EasyView MT8000 HMI
 PLC RS485port
 9PinD-SUB FEMALE

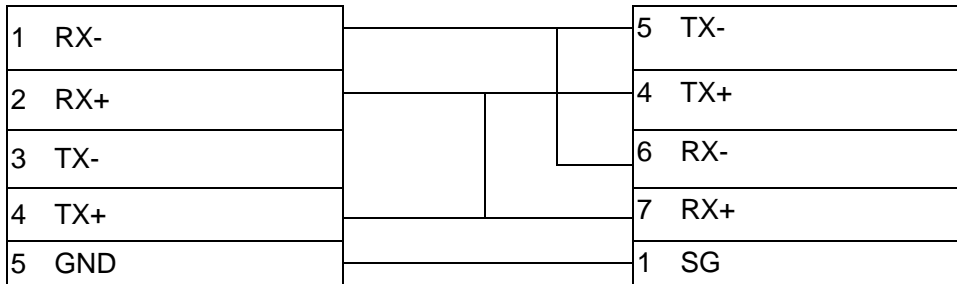
Hitachi EH-150 port1
 8PinRJ45port



EH150port1 RS485 2wire:

EasyView MT8000 HMI
 PLC RS485 port
 9PinD-SUB FEMALE

Hitachi EH-150 port1
 8PinRJ45 port



H series CPU RS232 port

MT8000 PLC[232]

HITACHI H series CPU RS232

9P D-SUB Male

15p D-SUB Male

