

Hitachi H/EH/EHV Series

Supported Series: Hitachi H series, EH-150, Micro-EH, H20, H40, H64, H200, H250, H252, H300, H302, H700, H702, H1000, H1002, H2000, H4010.

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

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Hitachi H/EH/EHV Series		
PLC I/F	RS232	RS232, RS485	
Baud rate	19200	9600, 19200, 38400	
Data bits	7	7	
Parity	Even	Even	
Stop bits	1	1	
PLC sta. no.	0	0-255	Does not apply to this protocol.

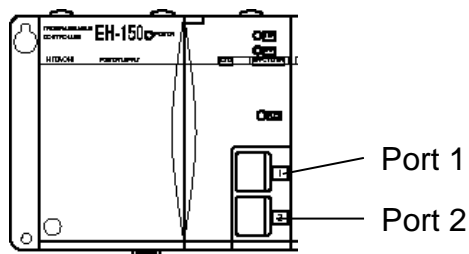
Online simulator	YES	Broadcast command	NO
Extend address mode	NO		

Device Address:

Bit/Wor	Device type	Format	Range	Memo
B	X_Dec	HHHdd	0 ~ 4ff95	
B	Y_Dec	HHHdd	0 ~ 4ff95	
B	X	HHHHh	0 ~ ffff	External input-bit (X)
B	Y	HHHHh	0 ~ ffff	External output-bit (Y)
B	M	HHHHh	0 ~ ffff	Data area-bit (M)
B	T	HHHHh	0 ~ ffff	Timer (T)
B	R	HHHHh	0 ~ ffff	Internal output (R)
B	L	HHHHh	0 ~ ffff	Link area-bit (L)
W	TC	HH	0 ~ ff	Timer/Counter current value
W	WM	HHHH	0 ~ 270f	Data area-word (M)
W	WX	HHHH	0 ~ 270f	External input-word (X)
W	WY	HHHH	0 ~ 270f	External output-word (Y)
W	WR	HHHH	0 ~ c3ff	Internal output-word (R)
W	WL	HHHH	0 ~ 270f	Link area-word (L)

Wiring Diagram:

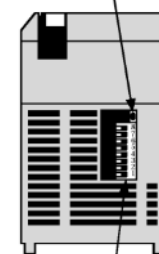
WARNING: If your communication cable is not wired exactly as shown in our cable assembly instructions, damage to the HMI or loss of communications can be caused.



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.

Port setting toggle-switch



Mode setting DIP-switch

Toggle-Switch





PHL	ON	
Low	OFF	
PHL	ON	
High	OFF	

Diagram 1

RS-232 (EH-150 port1/port 2 / MICRO-EH port1)

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

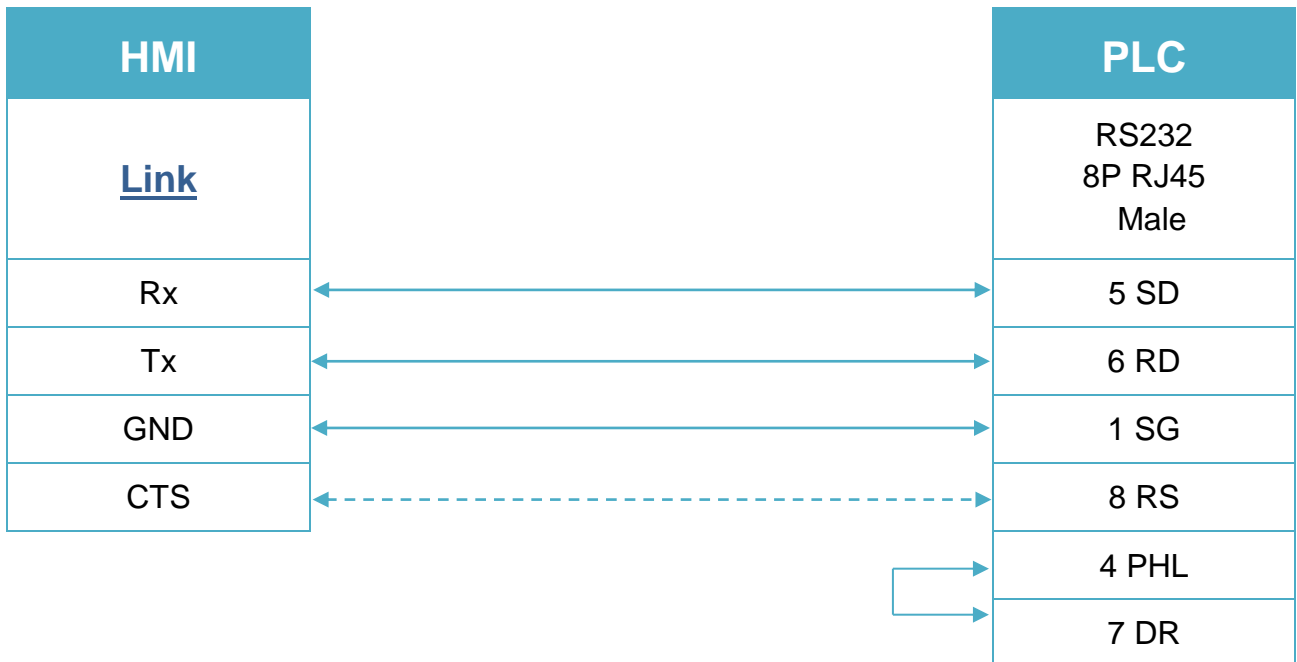


Diagram 2

RS-485 4W (EH-150 port1)

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.

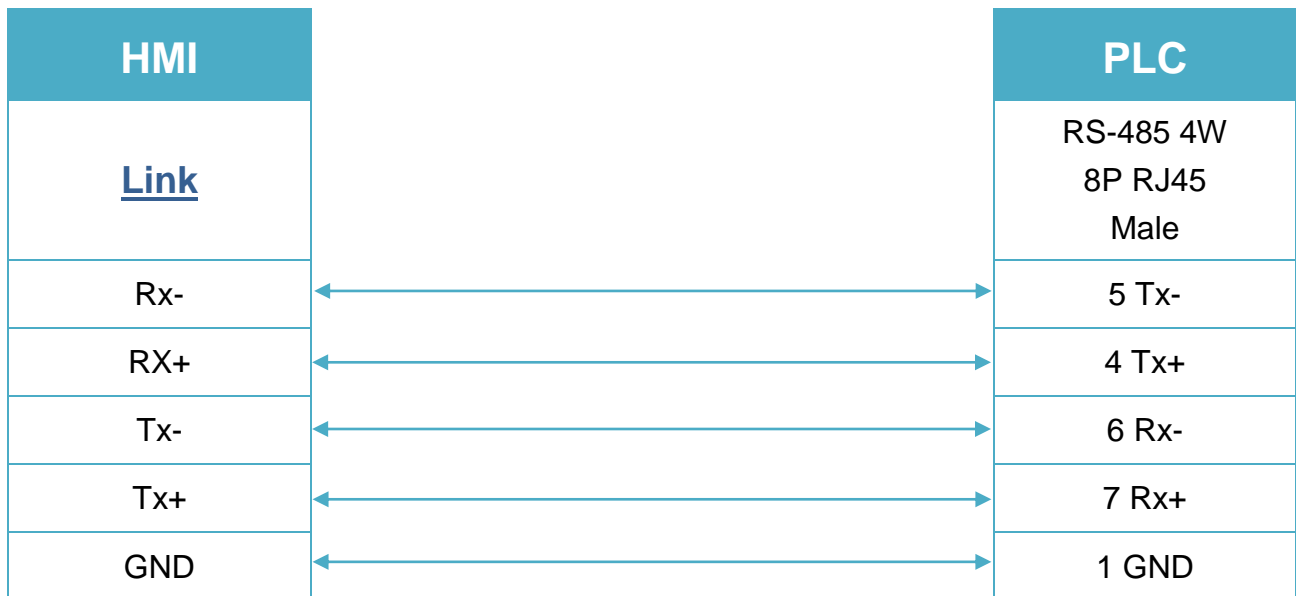


Diagram 3

RS-485 2W (EH-150 port1)

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.

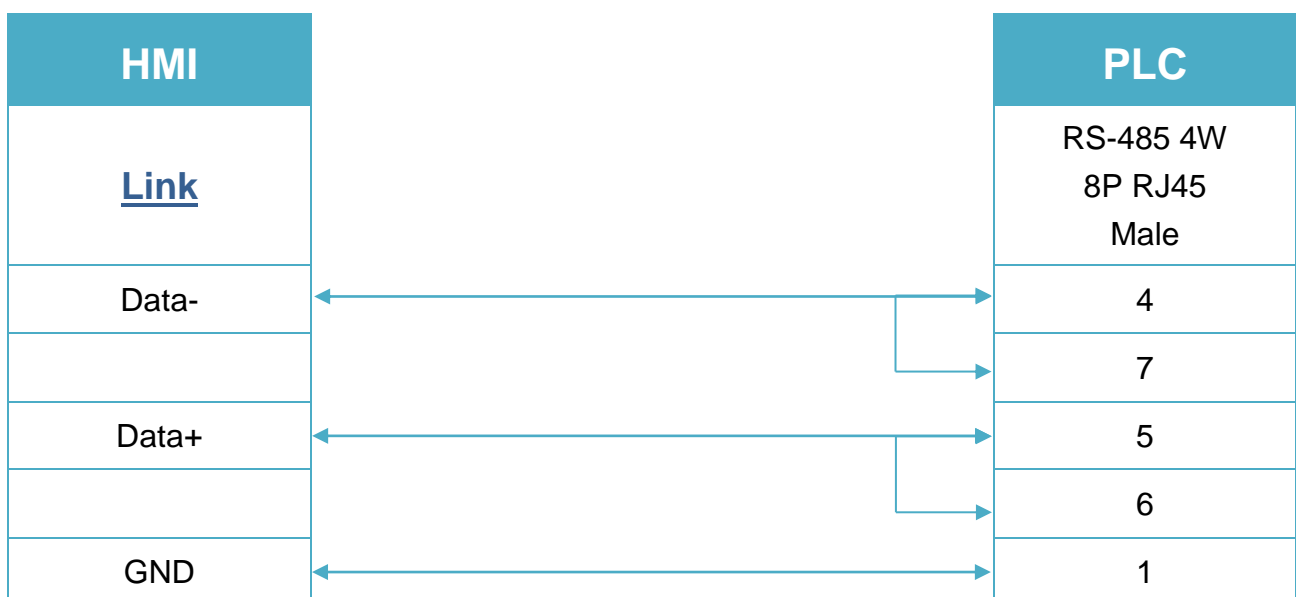


Diagram 4

RS-232 (H Series CPU Port)

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

