

OMRON CJ/CS/CP

Supported Series: OMRON CP1E, CP2E, CP1L, CP1H, CJ1M, CJ2M, CJ1H, CJM1G, CS1H and CS1G. (Host Link Protocol FINS command), this driver supports Extend Addressing Mode.

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

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	OMRON CJ/CS/CP		
PLC I/F	RS232	RS232, RS422, RS485	
Baud rate	9600	9600~115200	
Data bits	7	7 or 8	
Parity	Even	Even, Odd, None	
Stop bits	2	1 or 2	
PLC sta. no.	0	0-31	Host Link Station No.
Protocol	Multi-read	Multi-read / Single read	

Online simulator	YES	Extend address	YES
Broadcast	NO		

*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

PLC Setting:

Communication	Host Link Protocol
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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	CIO_Bit	DDDDDDdd	0 ~ 3276715	Channel I/O (CIO)
B	W_Bit	DDDDDDdd	0 ~ 3276715	Work Area (WR)
B	H_Bit	DDDDDDdd	0 ~ 3276715	Holding Area (HR)
B	D_Bit	DDDDDDdd	0 ~ 3276715	Data Memory (DM)
B	A_Bit	DDDDDDdd	0 ~ 3276715	Auxiliary Relay (AR)
B	T_Bit	DDDDDDdd	0 ~ 3276715	Timer (TIM)
B	C_Bit	DDDDDDdd	0 ~ 3276715	Counter (CNT)

Bit/Word	Device type	Format	Range	Memo
B	C_flag	DDDD	0 ~ 4095	
B	T_flag	DDDD	0 ~ 4095	
B	LR_Bit	DDDdd	0 ~ 19915	
B	EM0_Bit ~ EM18_Bit	DDDDDDdd	0 ~ 3276715	Extend Memory
W	T	DDDDDD	0 ~ 32767	Timer (TIM)
W	H	DDDDDD	0 ~ 32767	Holding Area (HR)
W	D	DDDDDD	0 ~ 32767	Data Memory (DM)
W	A	DDDDDD	0 ~ 32767	Auxiliary Relay (AR)
W	W	DDDDDD	0 ~ 32767	Work Area (WR)
W	C	DDDDDD	0 ~ 32767	Counter (CNT)
W	CIO	DDDDDD	0 ~ 32767	Channel I/O (CIO)
W	EM0 ~ EM18	DDDDDD	0 ~ 32767	Extend Memory
W	LR	DDD	0 ~ 199	

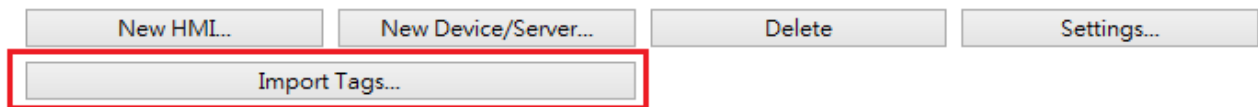
Import Tags:

1. Export the *.cxi file in cx-programmer -> variables

[Important]: Only addresses with tag name can be imported, and address type is required

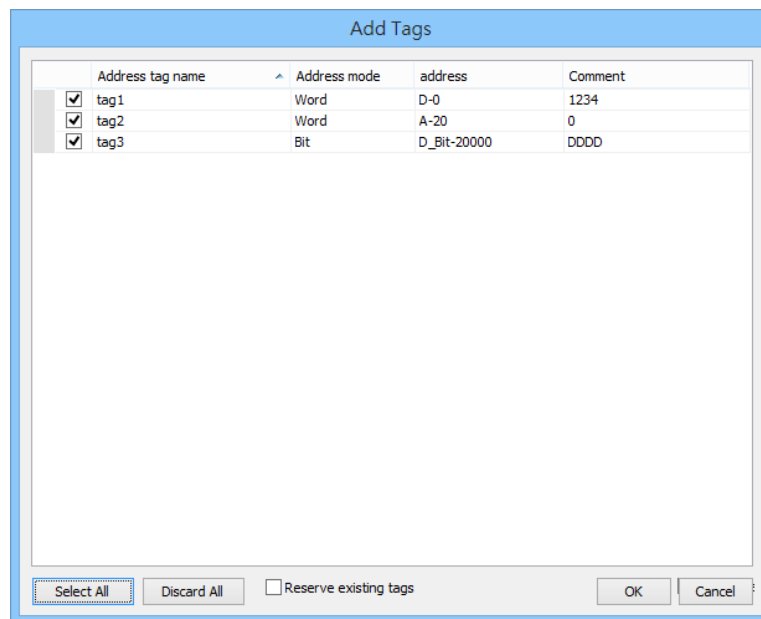
No	TagName	Type	Address	Comments		can be imported?
1.	Estop	BOOL	0.01	E.STOP	0	Not ok,address without address type
2.	Auto_Start_Stop	BOOL	H0.00	START/STOP	0	OK
3.		CHANNEL	D150	ANIMATED	0	Not ok,no tag name

2. Open EasyBuilder Pro, and set the drive parameters in **[System Parameter Settings]**, click **[Import Tags]**.

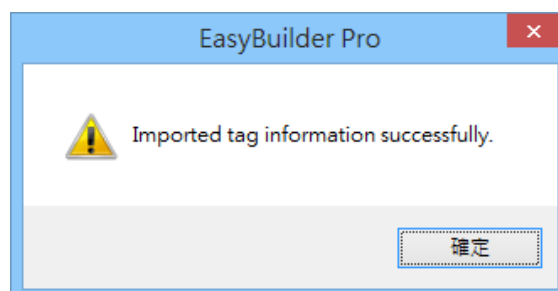


3. Select *.cxi file

4. Check the TAG that the project needs to use.



5. Imported tag information successfully.



Wiring Diagram:

Diagram 1

RS-232

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

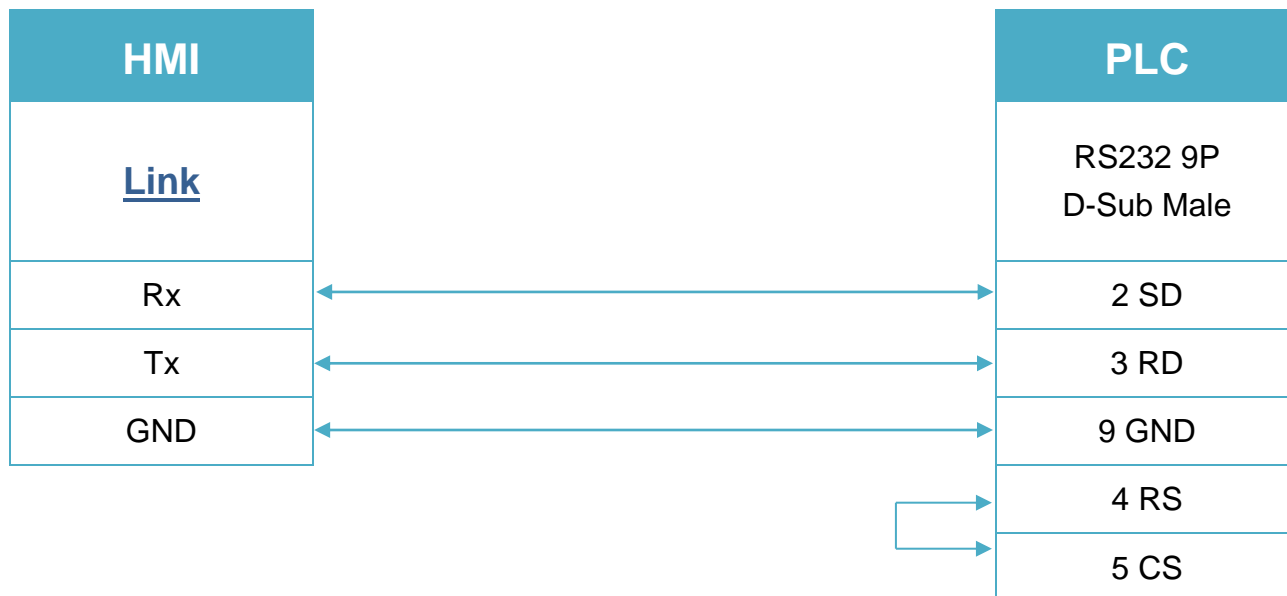
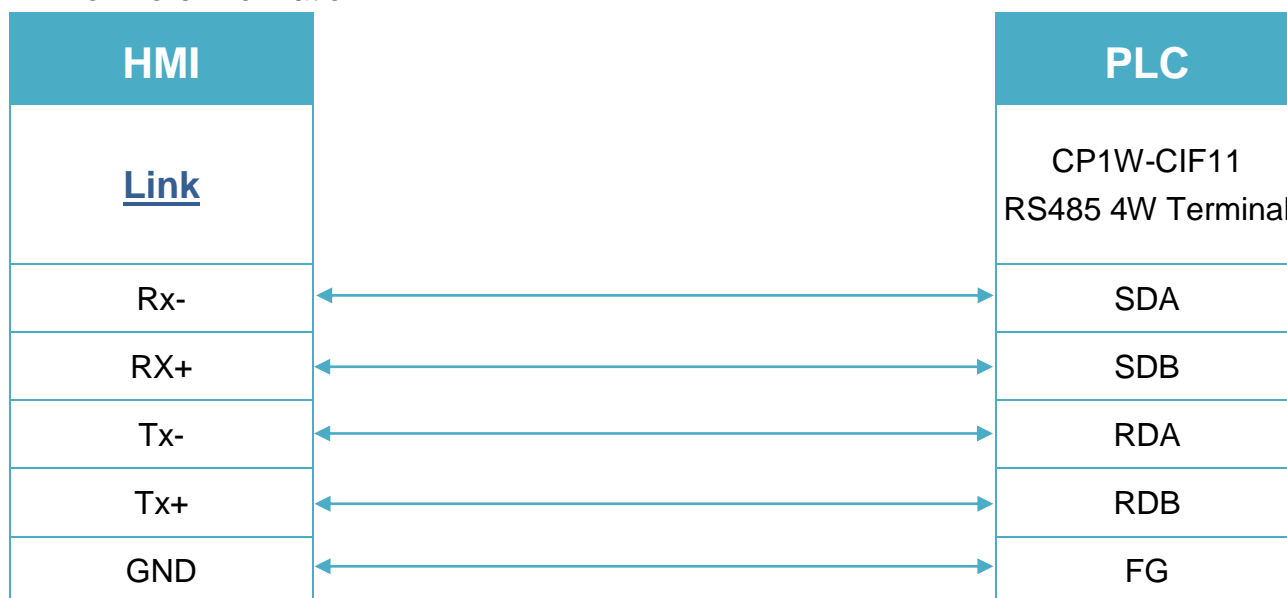


Diagram 2

RS-485 4W (CP1H/CP1L CP1W-CIF11 RS485 4W : 9P D-Sub to Terminals)

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



CP1W-CIF11: SW1 ON, others OFF.