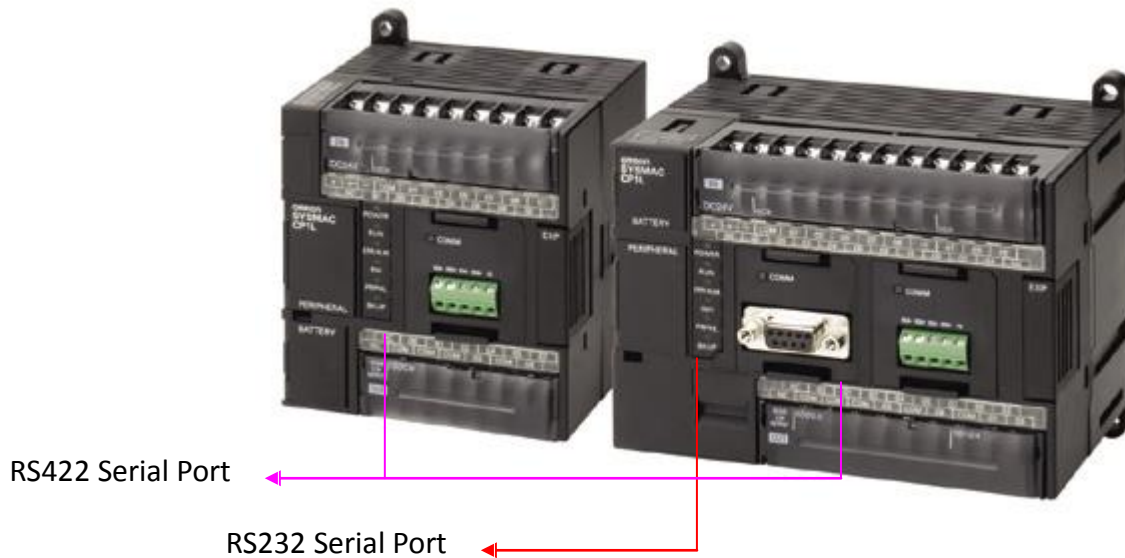


Advantech AE Technical Share Document

Date	2015 / 08 / 12	SR#	
Category	■ FAQ □ SOP	Related OS	
Abstract	How To Setup WebOP and OMRON CP1L_CP1H		
Keyword	OMRON/ CP1L/ CP1H		
Related Product	WOP-2000 Series/ WOP-3000 Series/ Panel Express		

■ Problem Description:

This tech. note introduces how to connect OMRON CP1L/CP1H CPU port with PanelMaster HMI.
(For OMRON CP1L/CP1H Series CPU Driver use, we used the CP1H to test this driver.)

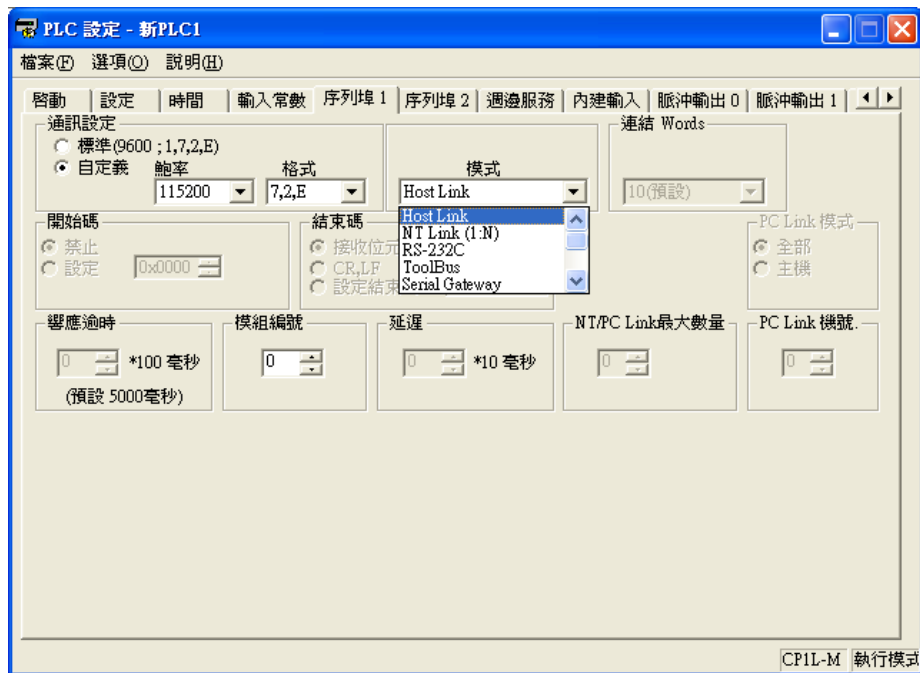


■ Brief Solution - Step by Step:

1. CP1L/CP1H setting:

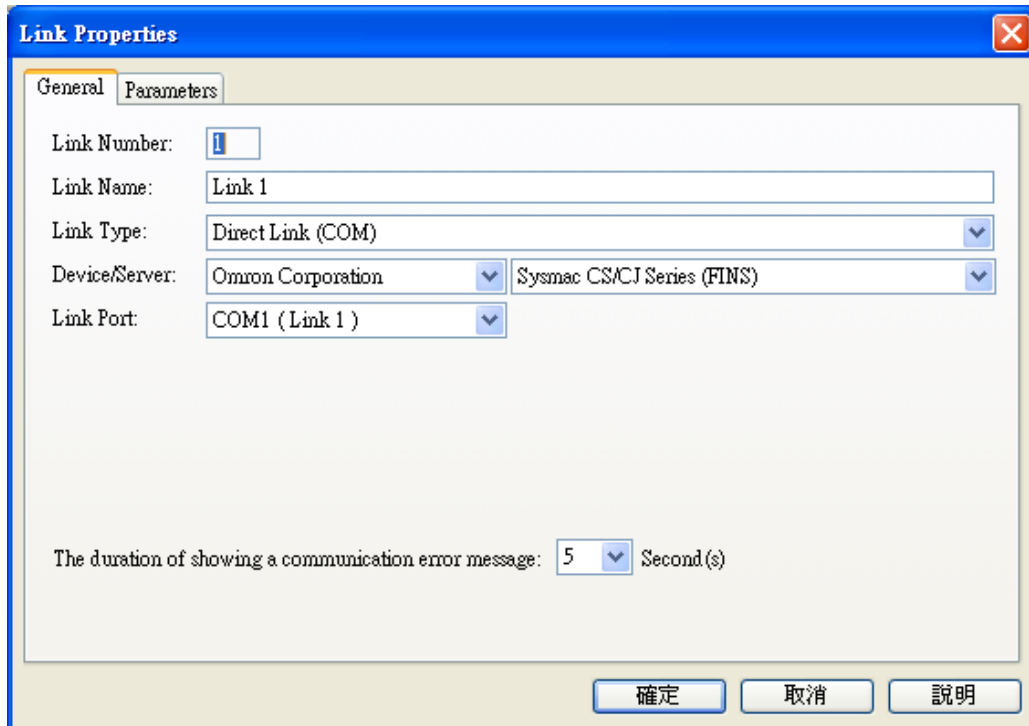
- (a) Use “CX Programmer” software to link with the CP1L/CP1H PLC via its USB communication port, and then double click “Setting” option to set the Serial Port format.

Standard (9600; 1,7,2,E) or Custom (Baud; Format; Mode: **Host Link**; Unit No.)



HMI Setting

1. Select 【Device/Server : OMRON Corporation → Sysmac CS/CJ Series (FINS)】

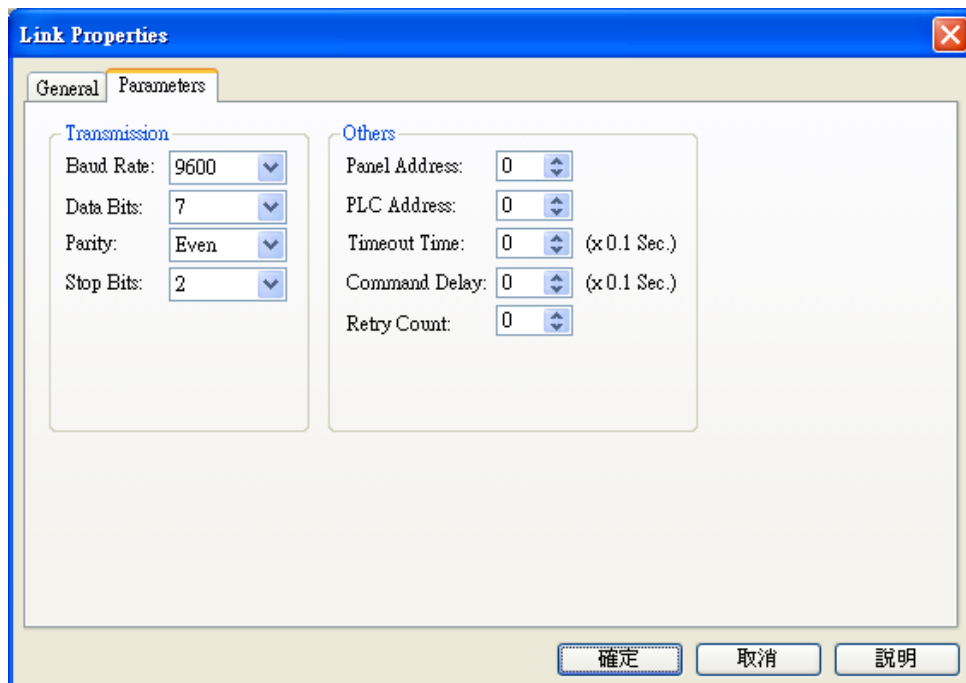


The screenshot shows the 'Link Properties' dialog box with the 'General' tab selected. The fields are as follows:

Link Number:	1
Link Name:	Link 1
Link Type:	Direct Link (COM)
Device/Server:	Omron Corporation
	Sysmac CS/CJ Series (FINS)
Link Port:	COM1 (Link 1)
The duration of showing a communication error message: 5 Second(s)	

Buttons at the bottom: 確定 (OK), 取消 (Cancel), 説明 (Help).

Set the HMI link port parameter identical with PLC communication parameter



The screenshot shows the 'Link Properties' dialog box with the 'Parameters' tab selected. The fields are organized into two sections:

Transmission		Others	
Baud Rate:	9600	Panel Address:	0
Data Bits:	7	PLC Address:	0
Parity:	Even	Timeout Time:	0 (x 0.1 Sec.)
Stop Bits:	2	Command Delay:	0 (x 0.1 Sec.)
		Retry Count:	0

Buttons at the bottom: 確定 (OK), 取消 (Cancel), 説明 (Help).

PLC Device List

Bit Devices:

Bit Device (Sysmac CS/CJ Series (FINS))			
Bit Device	Address Range	Block Address	Comment
DIOnb	n: 0~6143; b: 00~15	b=0	
WRnb	n: 0~511; b: 00~15	b=0	
HRnb	n: 0~511; b: 00~15	b=0	
ARnb	n: 0~959; b: 00~15	b=0	
Tn	n: 0~4095	n=16q	
Cn	n: 0~4095	n=16q	
Dnb	n: 0~32767; b: 00~15	b=0	
ER0nb	n: 0~32767; b: 00~15	b=0	
ER1nb	n: 0~32767; b: 00~15	b=0	
ER2nb	n: 0~32767; b: 00~15	b=0	
ER3nb	n: 0~32767; b: 00~15	b=0	
ER4nb	n: 0~32767; b: 00~15	b=0	
ER5nb	n: 0~32767; b: 00~15	b=0	
ER6nb	n: 0~32767; b: 00~15	b=0	
ER7nb	n: 0~32767; b: 00~15	b=0	
ER8nb	n: 0~32767; b: 00~15	b=0	
ER9nb	n: 0~32767; b: 00~15	b=0	
ERAnb	n: 0~32767; b: 00~15	b=0	
ERBnb	n: 0~32767; b: 00~15	b=0	
ERCnb	n: 0~32767; b: 00~15	b=0	

Word Devices:

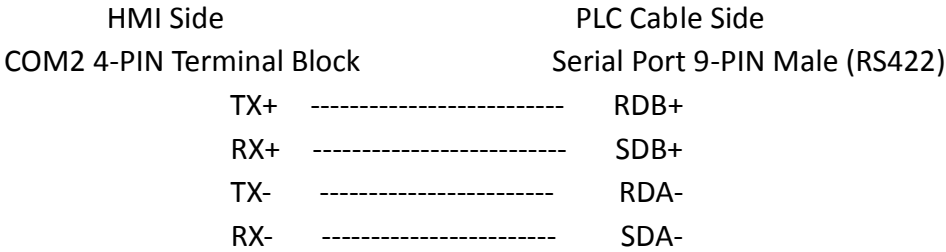
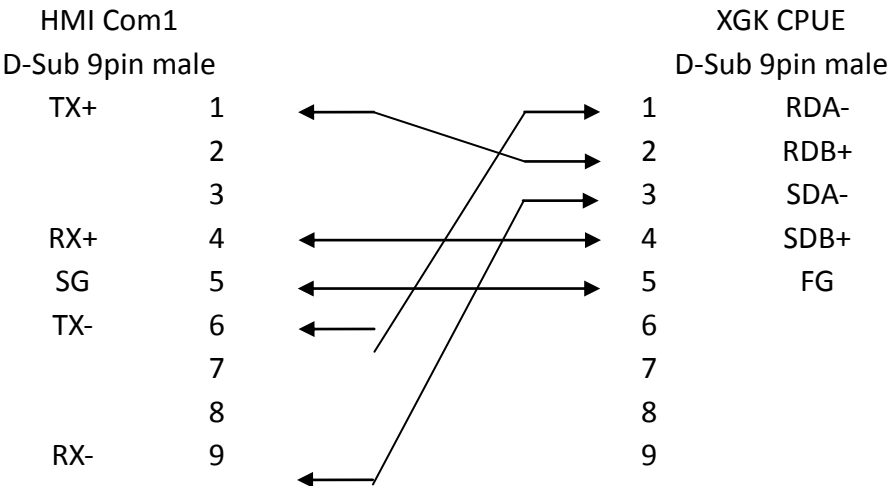
Word Device (Sysmac CS/CJ Series (FINS))			
Word Device	Address Range	Size	Comment
DIOn	n: 0~6143	Word	
Wn	n: 0~511	Word	
Hn	n: 0~511	Word	
An	n: 0~959	Word	
Tn	n: 0~4095	Word	
Cn	n: 0~4095	Word	
Dn	n: 0~32767	Word	
E0n	n: 0~32767	Word	
E1n	n: 0~32767	Word	
E2n	n: 0~32767	Word	
E3n	n: 0~32767	Word	
E4n	n: 0~32767	Word	
E5n	n: 0~32767	Word	
E6n	n: 0~32767	Word	
E7n	n: 0~32767	Word	
E8n	n: 0~32767	Word	
E9n	n: 0~32767	Word	
EAn	n: 0~32767	Word	
EBn	n: 0~32767	Word	
ECn	n: 0~32767	Word	
EMn	n: 0~32767	Word	
IRn	n: 0~15	32 bits	
DRn	n: 0~15	Word	

Connection Cable diagram

RS422 Module



CJ1W-CIF11 / CP1W-CIF11



■ **Reference:**
N/A