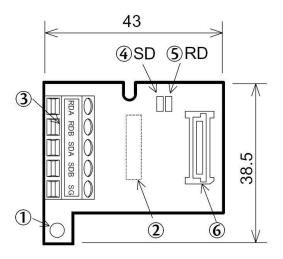


Date	2015 / 08 / 12	SR#	
Category	■ FAQ □ SOP	Related OS	
Abstract	How To Steup WebOP and FX485 BD Card		
Keyword	FX3U/ FX2U/ 485BD		
Related Product	WOP-2000 Series/ WOP-300	0 Series/ Panel Exp	ress

Problem Description:

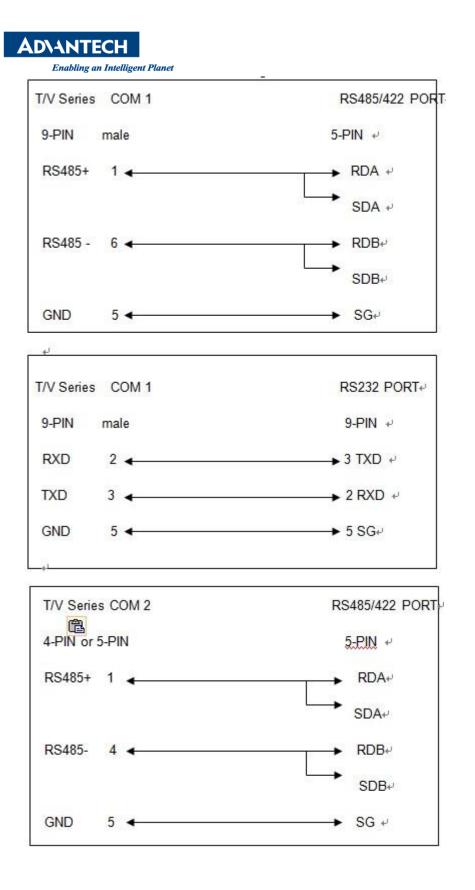
This tech note is to explicate how to connect RS485 communication board of Mitsubishi FX serial PLC with WebOP Designer as well as the related communication parameter settings.

Applied for all WebOP Designer software versions



Brief Solution - Step by Step:

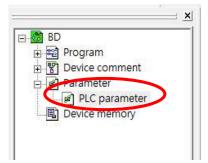
1) Cable connection: Connection diagram





2) PLC Parameter setting:

Go to the Mitsubishi PLC programming screen, select PLC parameter



According to following FX parameter, set PLC communication parameter settings. "Station number setting" is the current PLC station number. Please correctly set the PLC communication parameter in accordance with practical situation. After finishing parameter setting, download this parameter to PLC; the settings will not take effect without re-booting the PLC.

FX parameter	
Memory capacity Device PLC name I/O assignment PLC system(1) PLC system(2) Positioning	
CH1 If the box is not checked, the parameters will be cleared. Operate Communication Setting	and
Protocol Dedicated protocol Control line	WOP FX3U-Link driver
Data length 8bit Regular/RS-232C	supports Form 1
Parity Control mode Invalid	7
Stop bit Ibit 🔽 🔽 Sum check	
Transmission speed 19200 Transmission control procedure Form1 (without CR,LF)	When one HMI connect
Header	with plenty of PLC, PLC
Terminator	should be set by different
	station numbers.
Default Check End	Cancel

3) PanelMaster link settings

Add a new link



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Select	[Device/Server]	→ Mitsubishi Electric Crop.	$. \rightarrow Melse-FX2n$ (Link Port)
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[Device/Server] \rightarrow Mitsubishi Electric Crop. \rightarrow Melse-FX3U (Link Port)

Link Number:	1		
Link Name:	Link 1		
Link Type:	Direct Link (COM)	•	-
Device/Server:	Mitsubishi Electric Corp.	▼ Melsec-FX3U (Link Port)	-
Link Port:	COM2 (Link 1)	•	

Set the HMI link port parameter identical with PLC communication parameter

Link Properties					X	
General Parameter						
Transmission Baud Rate: 19200 V Data Bits: 8 V Parity: Odd V Stop Bits: 1 V	Others Panel Address: PLC Address: Timeout Time: Command Delay:	255 0 •••• 0 •••• 0 •••• (x 0.1 Sec.) 0 •••• (x 1 ms)	Retry Count:	0		
Merge Adjacent Bits To Form Bi	Fetching Data In Blocks To Optimize The Screen Data Reading Merge Adjacent Bits To Form Bit Blocks Maximal Gap Of Two Mergeable Bits: (default) -					
☑ Merge Adjacent Words To Form Word Blocks Maximal Gap Of Two Mergeable Words: ((default) ▼						
			確定	取消	說明	

4) Multiple PLC stations communication setting

If PV HMI needs to monitor and to set the D100 of PLC station 1, you can directly enter 1:D100. Similarly, if PLC station number is 2, you enter 2:D100. By means of this setting, PV HMI can monitor and set the same register values with the different stations

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8		BDR	ress Entry	?
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	C Right	C Leading Spaces	Keys	+
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		ОК	Cancel	Help
x 38 100%	-		AS72	

5) Description of macro instruction

If you need to perform data exchange, you can use macro instructions to do so. For example:

🗎 Macro - TEST		- • •
0	1:D100=2:D100	*
1	1:D200 = MOV(2:D200,5)	
14		▶d

The first is to move the D100 of station 2 to the D100 of station 1. The second is to move the D200 $\ D201 \ D202 \ D203 \ D204$ of station 2 to D200 $\ D204$ of station 1.That is to say, you don't have to buy a very expensive gateway module. PV HMI can perform the router function and complete exchanging the data among plenty of PLC.

Reference: N/A