Mitsubishi Q00U/Q01U/Q02U/QnUD/QnUDH

Supported Series: Mitsubishi Q00U, Q01U, Q02U, Q03UD, Q04UDH, Q06UDH, Q10UDH, Q13UDH, Q20UDH, Q26UDH, Q00UJ CPU.

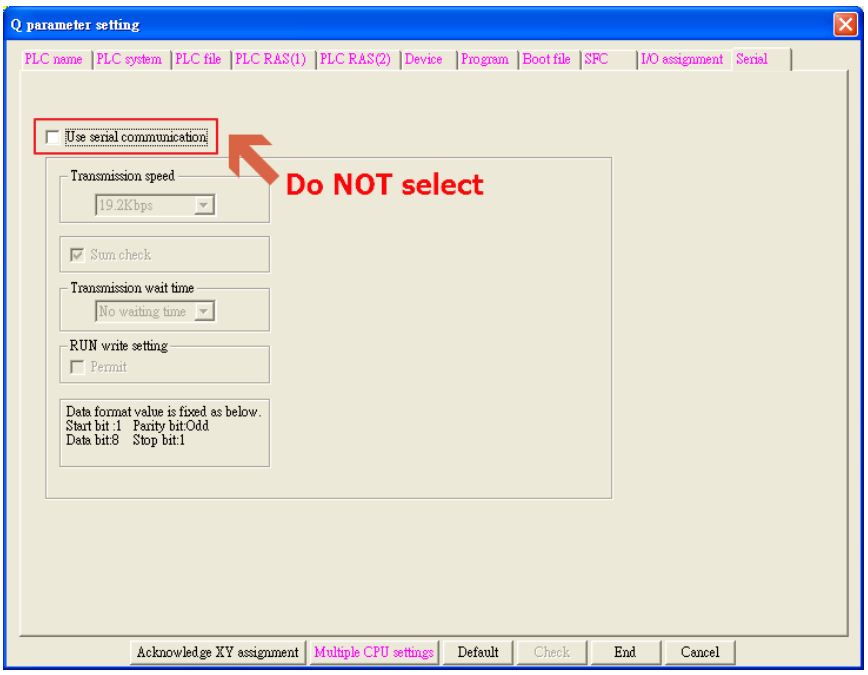
HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi Q00U/Q01U/Q02U/QnUD/QnUDH		
PLC I/F	RS232	RS485 4W, RS232	CPU port direct connect
Baud rate	115200	9600~115200	For Q00UJ, only 9600 is available
Data bits	8		
Parity	Odd		
Stop bits	1		
PLC sta. no.	No		

Online simulator	NO	Extend address mode	NO

PLC Setting:

Please **do not** select **[Use Serial Communication]**. If this is selected the communication method will be the same as QJ71, please refer to Mitsubishi Q00/Q00UJ/Q01/QJ71 driver.



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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	SM	DDDD	0 ~ 2047	
B	X	HHHH	0 ~ 1fff	Input Relay
B	Y	HHHH	0 ~ 1fff	Output Relay
B	M	DDDDD	0 ~ 61439	Internal Relay
B	L	DDDDD	0 ~ 32767	Latch Relay
B	F	DDDDD	0 ~ 32767	Annunciator
B	V	DDDDD	0 ~ 32767	Edge Relay
B	B	HHHH	0 ~ efff	Link Relay
B	SB	HHHH	0 ~ 7fff	Special Link Relay
B	TC	DDDDD	0 ~ 2047	Timer Coil
B	CC	DDDDD	0 ~ 1023	Counter Coil
B	D_Bit	DDDDDDDh	0 ~ 4212735f	
B	W_Bit	HHHHHHh	0 ~ 4047fff	
B	ZR_Bit	HHHHHh	0 ~ fe7fff	
B	ZR_Dec_Bit	DDDDDDDh	0 ~ 1042431f	
W	SD	DDDD	0 ~ 2047	
W	D	DDDDDDD	0 ~ 4212735	Data Register
W	W	HHHHHH	0 ~ 4047ff	Link Register
W	SW	HHHH	0 ~ 6dff	Special Link Register
W	Z	DD	0 ~ 19	Index Register
W	R	FFDDDDD	0 ~ 3132767	File Register (FF:File No. 0~31) (DDDDD:0~32767)
W	ZR	HHHHHH	0 ~ fe7ff	File Register
W	ZR_decimal_addr	DDDDDDD	0 ~ 1042341	
W	C	DDDDD	0 ~ 25471	Counter Current Value
W	T	DDDDD	0 ~ 25471	Timer Current Value

Note:

EasyBuilder doesn’t support MITSUBISHI Q02U CPU to do on-line simulation on PC. When using Q02U driver, HMI needs 10 seconds to initiate PLC Q02U driver. Before the completion of initiation, it is recommended not to write data to PLC, this could cause “PLC no response”； Incorrect wiring or data could cause PLC to be locked. If PLC is locked, please restart PLC or reinstall PLC module.

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Wiring Diagram:

6P Mini-DIN: Q02 CPU port RS232 (Diagram 1 ~ Diagram 3)

The following is the view from the soldering point of a connector.

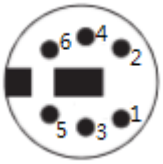

Diagram 1

RS-232

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

HMI		PLC
Link		RS232 6P Mini-DIN Male
Rx	↔	1
Tx	↔	2
GND	↔	4
		5
		6

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