

Mitsubishi FX3U/FX3G/FX3GA

Supported Series: Mitsubishi FX3U/FX3UC/FX3G/FX3S/FX3GA.

Website: <http://www.mitsubishi-automation.com>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi FX3U/FX3G/FX3GA		
PLC I/F	RS485 4w	RS232 / RS485 2w/4w / USB	
Baud rate	38400	9600/19200	
Data bits	7		
Parity	Even		
Stop bits	1		
PLC sta. no.	0		Does not apply to this protocol

Online simulator	YES (9600 baud rate only)	Extend address mode	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

Device Address:

Bit/Word	Device	Format	Range	Memo
B	X	OOO	0 ~ 764	Input Relay
B	Y	OOO	0 ~ 764	Output Relay
B	M	DDDD	0 ~ 7999	Auxiliary Relay
B	T	DDD	0 ~ 511	Timer Relay (T)
B	C	DDD	0 ~ 255	Counter Relay (C)
B	SM	DDDD	8000 ~ 9999	Special Relay (M)
B	D_Bit	DDDDdd	0 ~ 799915	Data Register Bit (D)
B	S	DDDD	0 ~ 4095	State Relay (S)
W	TV	DDD	0 ~ 511	Timer Memory (T)
W	CV	DDD	0 ~ 199	Counter Memory (C)
W	D	DDDD	0 ~ 7999	Data Register (D)
DW	CV2	DDD	200 ~ 255	Counter Memory(D Word)
W	SD	DDDD	8000 ~ 9999	Special Data Register (D)
W	R	DDDDD	0 ~ 32767	Extended Register (R)

Bit/Word	Device	Format	Range	Memo
W	Z	D	0 ~ 7	Index register

Import Tags:

[Export]

MELSOFT Series GX Work2 -> Global Label Setting -> Write to CSV File

	Class	Label Name	Data Type	Constant	Device
1	VAR_GLOBAL	data	Word(Signed)	...	D0
2	VAR_GLOBAL	time_0	Timer	...	T0
3				...	
4				...	
5				...	
6				...	
7				...	
8				...	
9				...	
10				...	
11				...	
12				...	
13				...	
14				...	
15				...	
16				...	
17				...	
18				...	
19				...	
20				...	
21				...	

[Import]

EasyBuilder Pro -> System Parameter Settings -> Device -> Driver -> Import Tags

Address tag name	Address mode	Address	Comment
<input checked="" type="checkbox"/> data	Word	D-0	
<input checked="" type="checkbox"/> time_0	Word	TV-0	

Wiring Diagram:

Diagram 1

RS-485 4W

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.

