

# Mitsubishi iQ-R Series - Binary Mode (Symbolic Addressing) (Ethernet)

Supported Series: Mitsubishi

R00/R01/R02/R04/R08/R16/R32/R120/R04EN/R08EN/R16EN/R32EN/R120EN/R08P/R16P/R32P/R120P/R08SF/R16SF/R32SF/R120SF/R08PSF/R16PSF/R32PSF/R120PSF

CPU Ethernet Module, M80 CNC Controller

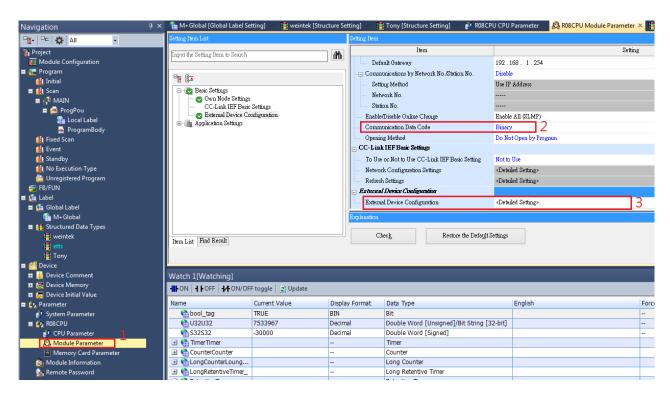
Website: <a href="http://www.mitsubishi-automation.com">http://www.mitsubishi-automation.com</a>

#### **HMI Settings:**

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi iQ-R Series - Binary Mode (Symbolic Addressing) (Ethernet)		
PLC I/F	Ethernet		
Port no.	4999		
Station No.	255		
Network number	0	0 ~ 999	

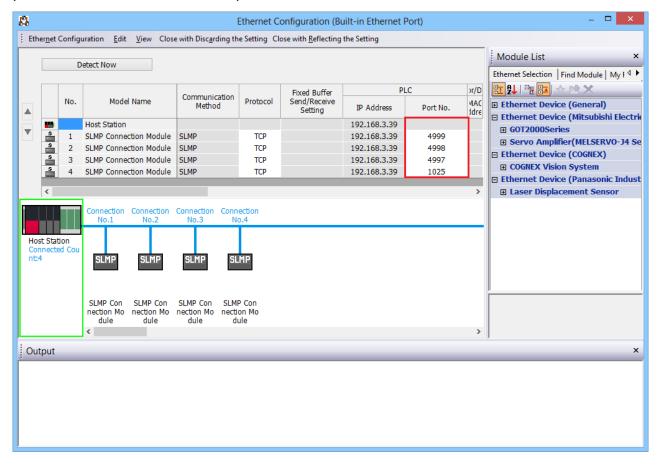
#### **PLC Settings:**







**External Device Configuration ->** Added **SLMP Connection Module**, and set different port numbers to use when multiple HMIs communicate at the same time.

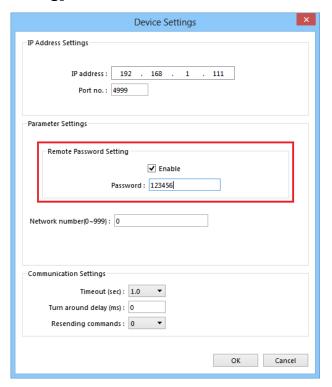




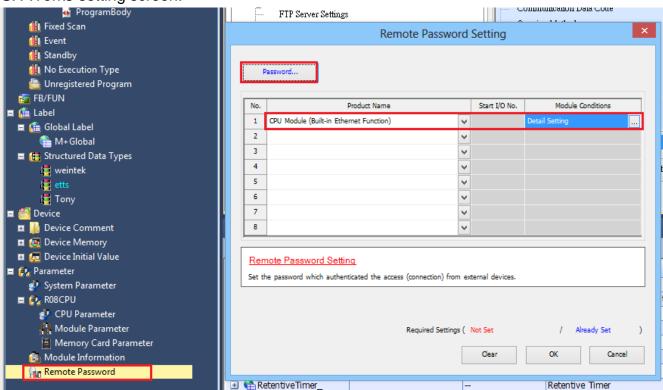
### **Remote Password Setting:**

Set a remote password and a target connection in the engineering tool, and write the data to the CPU module.

Navigation Window => [System Parameter] => [Device] => [Driver Settings] => [Remote Passoword Setting]



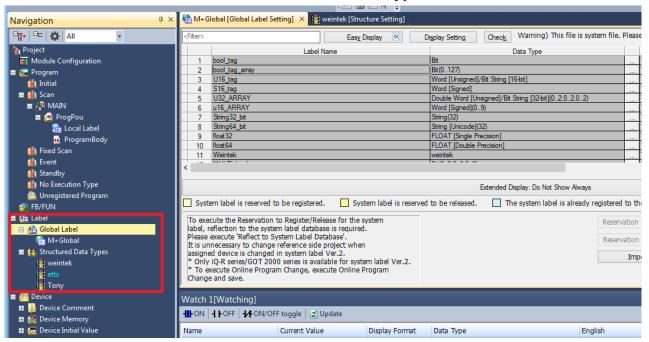
GX Work3 setting screen:



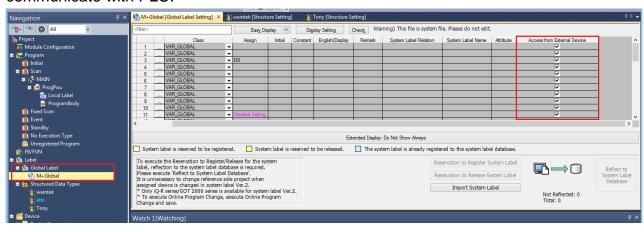


#### **Import Tags:**

1. Create data in Global Label and Structured Data Types.

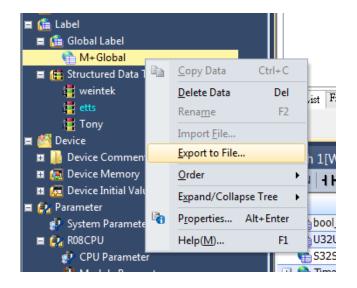


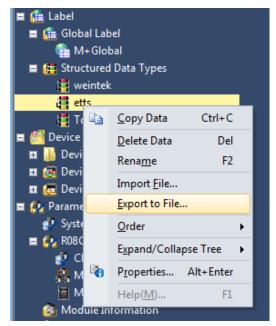
2. **Global Label -> Access from External Device** setting must be checked to be able to communicate with PLC.



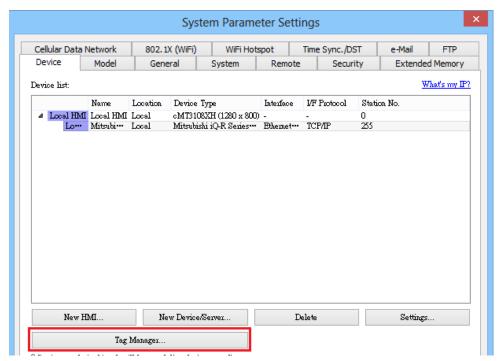


3. Global Label and Structured Data Types export label files separately.



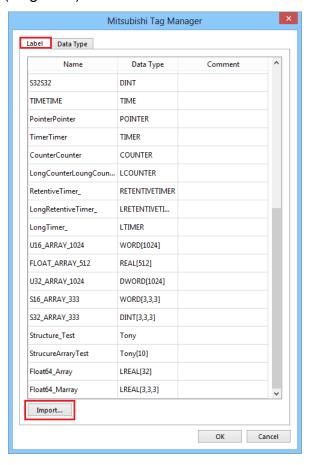


4. After adding a driver in EasyBuilder Pro, click [Tag Manager].





5. Import Global Label. (single file)



6. Import Structure Data Type tags (import multiple files at the same time)





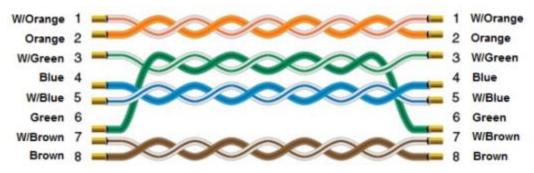
# **Support Device Type:**

Data type	EasyBuilder data format	Memo
Bit	bit	
Word [Unsigned]	16-bit BCD, Hex, Binary, Unsigned	16-bit
Word [Signed]	16-bit BCD, Hex, Binary, Signed	16-bit
Double Word [Unsigned]	32-bit BCD, Hex, Binary, Unsigned	32-bit
Double Word [Signed]	32-bit BCD, Hex, Binary, Signed	32-bit
Float [Single Precision]	32-bit Float	32-bit
Float [Double Precision]	64-bit Double	64-bit
String (32)		*Note1
Timer		
Counter		
Long Counter		
Retintive Timer		
Long Retentive Timer		
Long Timer		

<sup>\*</sup>Note1: String (32) arrays are not supported.

## **Wiring Diagram:**

#### **Ethernet cable:**



<sup>\*</sup>Note2: Tag name length cannot exceed 30 characters.

<sup>\*</sup>Note3: String[Unicode)(32), Time and Pointer are not supported