

OMRON EtherNet/IP (NJ/NX Series)

Supported Series: OMRON EtherNet/IP NJ / NX1P Series PLC

Website: <http://www.omron.com/>

HMI Setting:

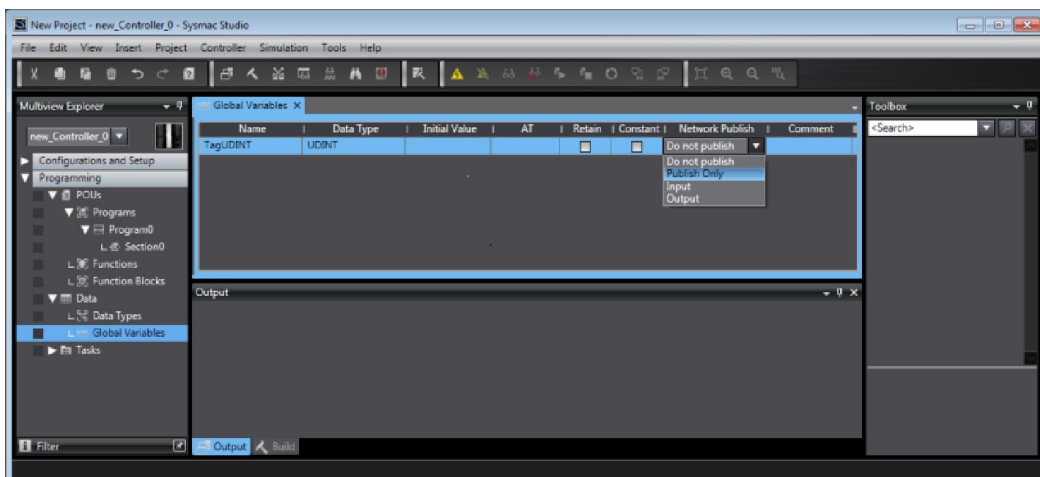
Parameters	Recommended	Options	Notes
PLC type	OMRON EtherNet/IP (NJ Series)		
PLC I/F	Ethernet		
Port no.	44818		
PLC sta. no.	1		

On-line simulator	Yes	Multi-HMI connect	Yes
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Instructions:

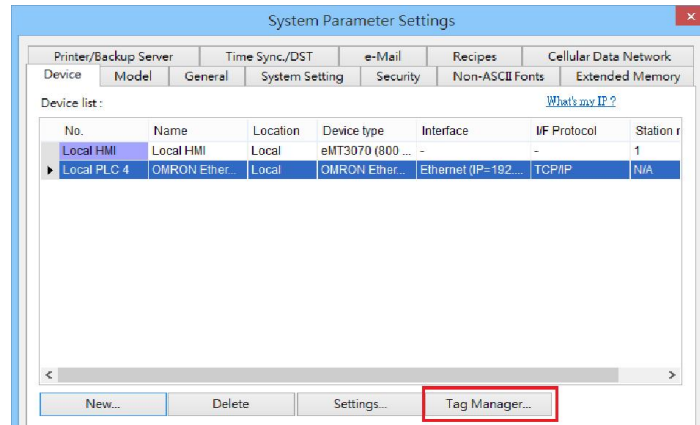
Note:

1. In Sysmac Studio, please select **[Publish Only]** for **[Network Publish]** when setting address tag.
2. When **[Do not publish]** is selected for a tag, different import methods may lead to different results. When import tags by **[Get Tags from Device]**, the tag will be eliminated. If **[Import tags]** is selected, the tags will be imported, but the communication will not succeed.

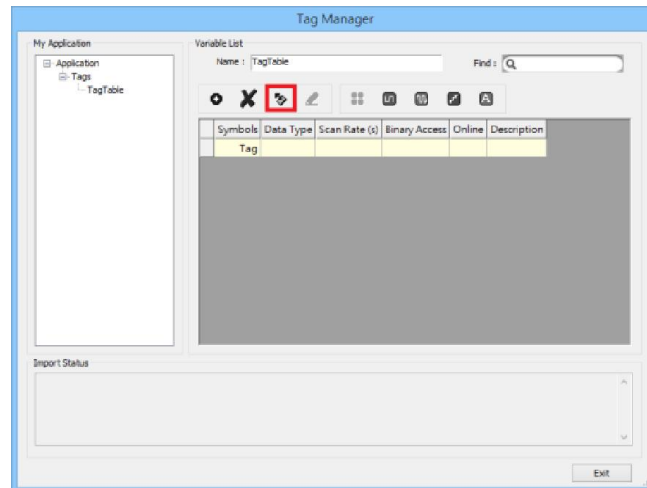


Get Tags from Network

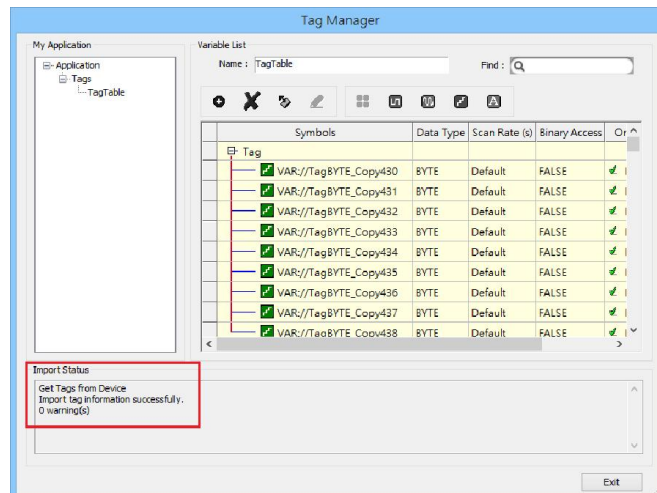
1. In EasyBuilder, open System Parameter Settings, and add **Omron EtherNet/IP (NJ series)**. Set communication parameters, and then click **[Tag Manager]**.



2. Click **[Get Tags]** » **[Get Tags from Device]**.

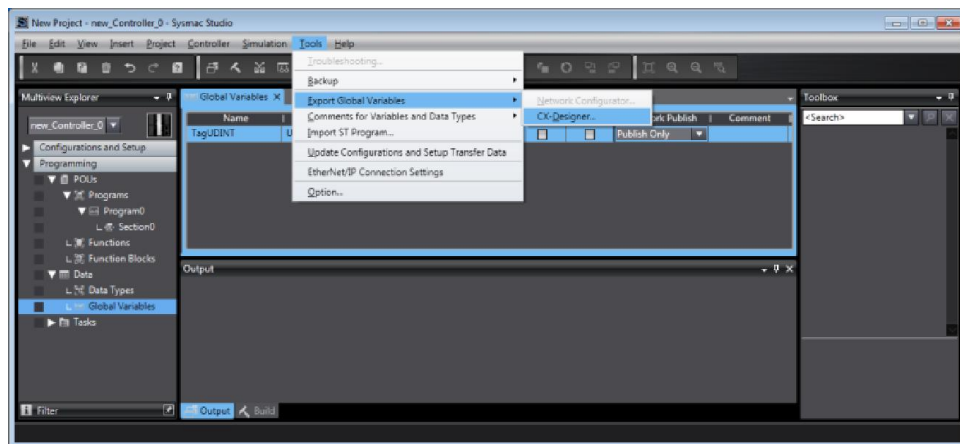


3. The **Import Status** field shows the result, click **[Exit]** to finish importing address tags.

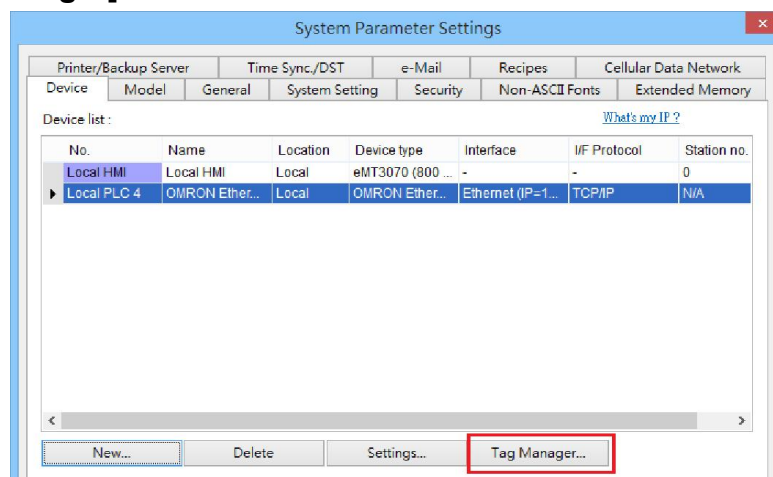


Export Tags from Sysmac Studio

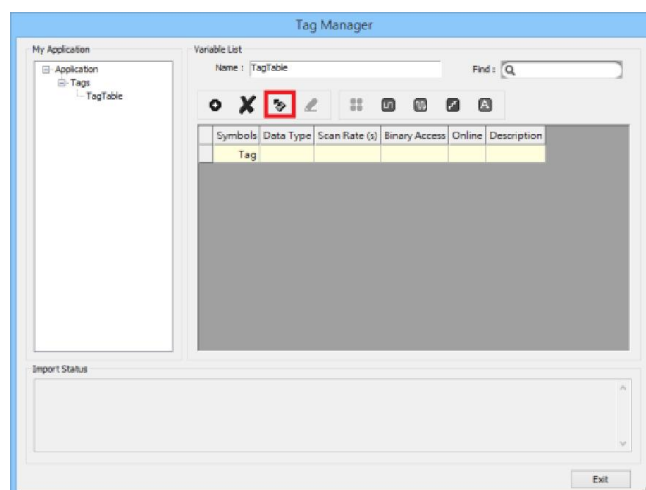
1. Launch Sysmac Studio, under Global Variables create the address tags, and then select **[Tools] » [Export Global Variables]**.



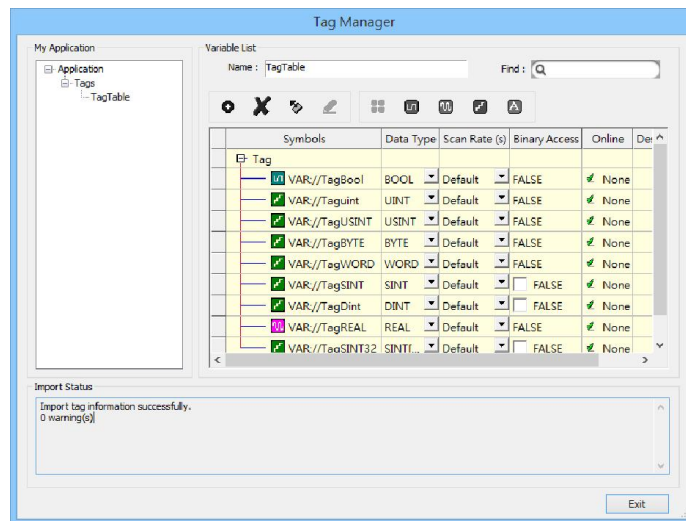
2. Launch EasyBuilder, in System Parameter Settings add **Omron EtherNet/IP (NJ series)**.
3. Click **[Tag Manager]**.



4. Click **[Get Tags] » [Import Tags]** and then select the file exported in step 1.



5. The **Import Status** field shows the result, click **[Exit]** to finish importing address tags.



- Supported data types include: BOOL, SINT, BYTE, USINT, INT, WORD, UINT, DINT, REAL, UDINT and DWORD. These data types support one-dimensional array.

Support Device Type:

Data type	EasyBuilder data format	Memo
Bool	bit	
Byte	16-bit BCD, Hex, Binary, Unsigned	8-bit
SInt	16-bit BCD, Hex, Binary, Signed	8-bit
USInt	16-bit BCD, Hex, Binary, Unsigned	8-bit
Word	16-bit BCD, Hex, Binary, Unsigned	16-bit
Int	16-bit BCD, Hex, Binary, Signed	16-bit
UInt	16-bit BCD, Hex, Binary, Unsigned	16-bit
DWord	32-bit BCD, Hex, Binary, Unsigned	32-bit
DInt	32-bit BCD, Hex, Binary, Signed	32-bit
Real	32-bit Float	32-bit
UDInt	32-bit BCD, Hex, Binary, Unsigned	32-bit
Array	Word array for ASCII input and ASCII display	Length=word

Wiring Diagram:

Ethernet cable:

