

CODESYS V3 (Ethernet)

Supported series: LTI MOTION MO CM-3, MO CM-6, CODESYS V3

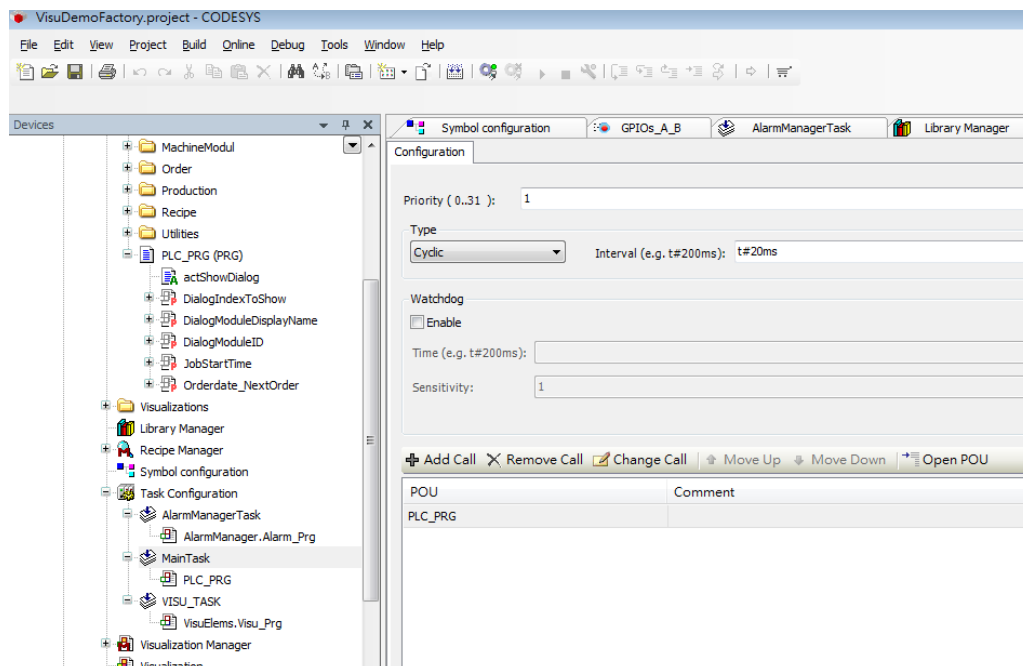
Website: <http://www.lti-motion.com/>

HMI Setting:

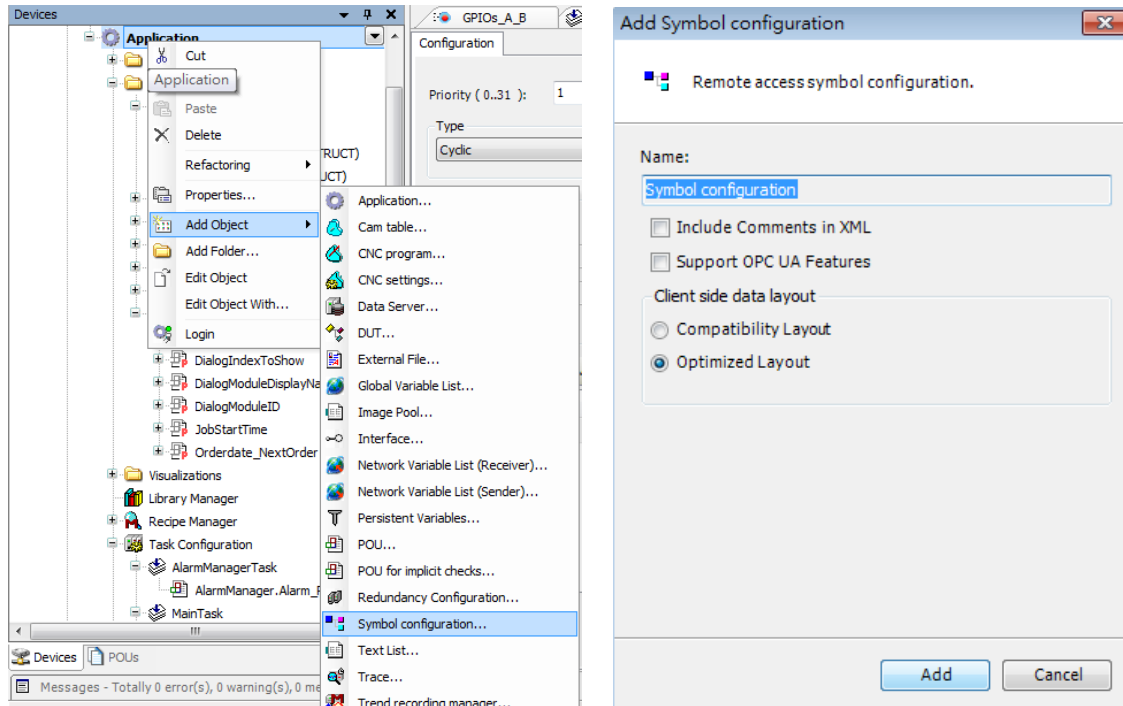
| Parameters | Recommended | Options | Notes |
|-------------|-----------------------|-----------------|-------|
| PLC type | CODESYS V3 (Ethernet) | | |
| PLC I/F | Ethernet | | |
| Port no. | 1740 | | |
| Source port | 1742 | | |
| Protocol | V3 UDP/IP | UDP/IP ; TCP/IP | |

How to Import Tags:

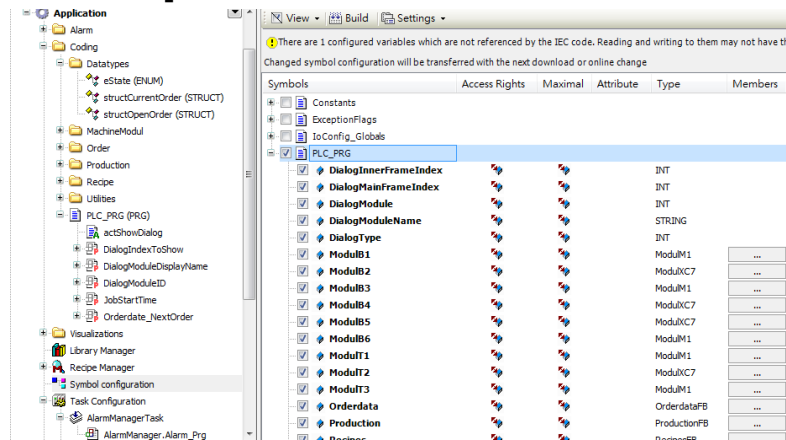
1. Under “MainTask” set POU PLC_PRG.



2. Add "Symbol configuration" into Devices list.



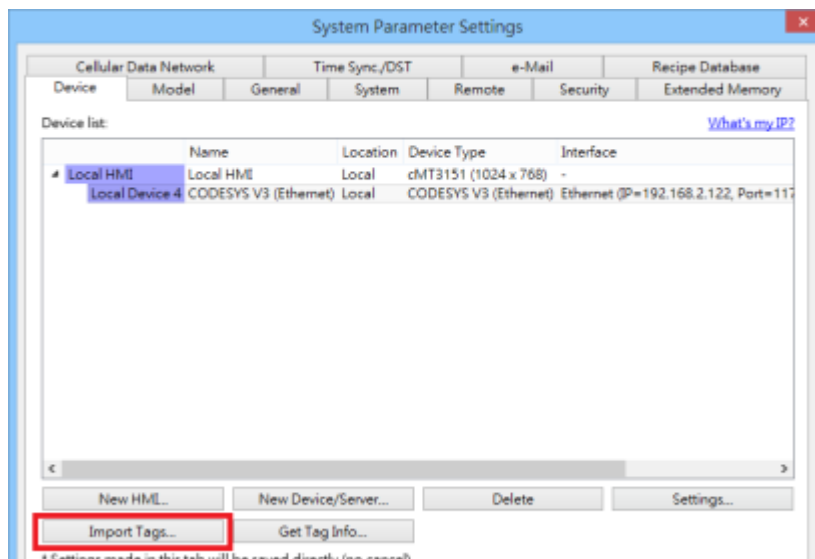
3. Select PLC_PRG and its tag information is shown, build the project. [build] -> [Generate Code]



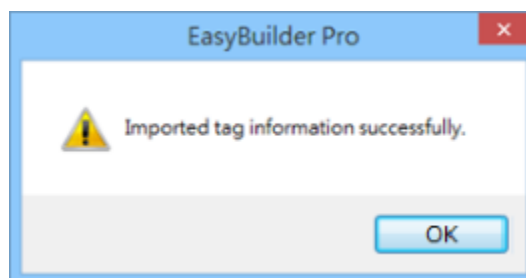
4. A *.xml file is generated in the directory of the project.

| | | | |
|---|-----------------|------------------|-----------|
| VisuDemoFactory.Device.Application.77b33013-b5cd-4... | 2016/4/29 11:36 | BOOTINFO 檔案 | 43,347 KB |
| VisuDemoFactory.Device.Application.77b33013-b5cd-4... | 2016/4/29 11:36 | BOOTINFO_GUL... | 1 KB |
| VisuDemoFactory.Device.Application.77b33013-b5cd-4... | 2016/4/29 11:36 | COMPILEINFO 檔... | 43,347 KB |
| VisuDemoFactory.Device.Application.xml | 2016/4/29 11:36 | XML Document | 29 KB |
| VisuDemoFactory.project | 2016/4/29 19:26 | CODESYS project | 1,362 KB |
| VisuDemoFactory.project.~u | 2016/5/4 11:17 | ~U 檔案 | 1 KB |
| VisuDemoFactory-admin-Weintek-RD-APP1.opt | 2016/4/29 19:26 | OPT 檔案 | 81 KB |
| VisuDemoFactory-AllUsers.opt | 2016/4/29 19:26 | OPT 檔案 | 1 KB |

5. In System Parameter Settings click **[New]** to add CoDeSys V3 (Ethernet) driver into the device list and then click **[Import Tags]**, and then select the tag file (.xml) generated by the PLC software.



6. When the tags are imported successfully, click **[OK]** to leave.



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 |
| LInt | 64-bit Signed | 64-bit |
| ULInt | 64-bit Unsigned | 64-bit |
| LWord | 64-bit Unsigned | 64-bit |
| Double | 64-bit Float | 64-bit |
| String | Word array for ASCII input and display | Length=word |

Note1: String length must be set identical to the length in Codesys software.

Note2: EBPro V6.03.02 or later supports 64 bits data type (**cMT Series only**), but please note that the address limit range is 48 bits in maximum.

Wiring Diagram:

Ethernet cable:

