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PLC Connection Guide Weintek Built-in CODESYS

Supported series: Weintek Built-in CODESYS HMI

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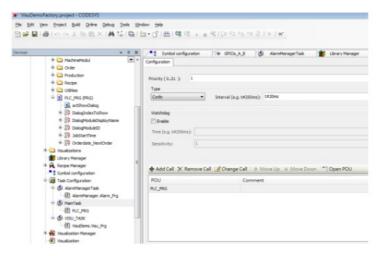
HMI Setting:

| Parameters | Recommended | Options | Notes |
|------------|--------------------------|---------|-------|
| PLC type | Weintek Built-in CODESYS | | |
| PLC I/F | Ethernet | | |

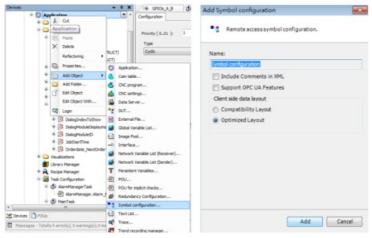
| Online simulator |
|------------------|
|------------------|

How to Import Tags:

1. Under "MainTask" set POU PLC_PRG.



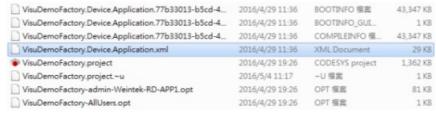
2. Add "Symbol configuration" into Devices list.



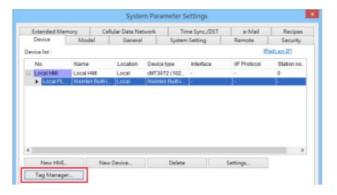
Select PLC_RPG and its tag information is shown, build the project.
 [build] -> [Generate Code]



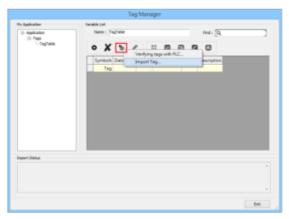
4. A *.xml file is generated in the directory of the project.



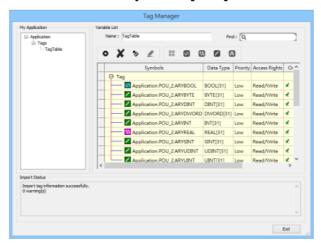
5. In System Parameter Settings click [New] to add Weintek Built-in CODESYS driver into the device list and then click [Tag Manager].



6. In Tag Manager click Get tag -> Import Tag, and then select the tag file (.xml) generated by the PLC software.



7. When the tags are imported successfully, click [Exit] 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 |
| LReal | 64-bit Float | 64-bit |
| String | Word array for ASCII input and display | Length=word |

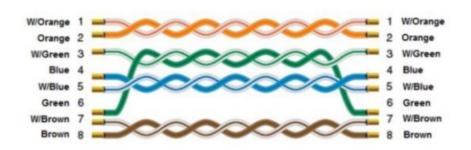
Note1: String length must be set identical to the length in Codesys software.

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:

Diagram 1

Ethernet cable:





Documents / Resources



WEINTEK Built In CODESYS HMI [pdf] User Guide
Built In CODESYS HMI, Built In, CODESYS HMI, HMI

References

- User Manual
 - ▶ Built In CODESYS HMI, Built-in, CODESYS HMI, HMI,
- WEINTEK WEINTEK

Website

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