



Mapping PLC addresses to HMI addresses when importing PLC Tag Table and Program Block is a familiar problem that HMI project designers often encounter. For instance, when using Siemens S7-1200/1500, the user must select and export PLC Tag Table and Program Block one by one from the project created by TIA Portal, and then import them to HMI project respectively, which can be a convoluted and time consuming task.

Weintek's programming software, EasyBuilder Pro, is a powerful development platform that can integrate Siemens S7-1200/1500 PLC tags. EasyBuilder Pro not only supports S7-1200/1500 user-defined types (UDT), Default Data Structure, and PLC Tag: [I]Input, [M]Bit Memory, [Q]Output...etc, but now it is also possible to import tags by importing PLC project created by TIA Portal into EasyBuilder Pro project in "One Click". All the PLC Tags and Program Blocks in the PLC project can be used in EasyBuilder Pro, which greatly improves project development efficiency.

● One Click to Import PLC Project and immediately obtain PLC Tag Table and Program Block

TIA Portal PLC project can be imported to EasyBuilder Pro project simply by clicking the [Import Tags] button, and the selected PLC Tag Table and Program Blocks will be automatically mapped to the system registers in EasyBuilder Pro's Siemens S7-1200/1500 driver.



Using Tree View to Clearly Visualizes Multi-Dimensional Arrays and Nested Structure

Compared to previous EasyBuilder Pro versions that only support one-dimensional array and single layered structure, new EasyBuilder Pro provides full supports for multi-dimensional array and nested structure, thus is competent in mapping complex PLC address structure. In EasyBuilder Pro, the PLC tags are visualized in a tree view.

Level 0 of tree view

Name	Data type
tag	DBOn-10000
tag_13	DBnBit-1146040
tag_14	DBn-114605
tag_15	DBn-114605
tag_16	DBn-114608
tag_17	DBn-114610
tag_18	DBOn-114612
tag_20	DBn-114624
tag_21	DBn-114626
tag_22	DBn-114628
tag_23	DBOn-114630
tag_25	DBOn-114646
tag_26	DBn-114650
tag_27	.14652

The list of tags in a Data Block

Level 1 of tree view

Name	Data type
[0]	DBnBit-100040
[100]	DBnBit-100164
[101]	DBnBit-100165
[102]	DBnBit-100166
[103]	DBnBit-100167
[104]	DBnBit-100170
[105]	DBnBit-100171
[106]	DBnBit-100172
[107]	DBnBit-100173
[108]	DBnBit-100174
[109]	DBnBit-100175
[110]	DBnBit-100052
[111]	DBnBit-100177

The list of arrays in a Tag

Level 3 of tree view

Name	Data type
ERROR_ID	DBn-110880
FLAGS	DBn-110882
MODE	DBn-110892
OPERAND_NUMBER	DBn-110894
POINTER_NUMBER_L	DBn-110896
REACTION	DBn-110883
SLOT_NUMBER_SCD...	DBn-110898

The list of structure elements in a Multi-Dimensional Array

Level 4 of tree view

Name	Data type
BLOCK_TYPE	DBn-110894
CB_NUMBER	DBn-110886
OFFSET	DBOn-110888

The list of structure elements in a Nested Structure

Noted:

- The import tag function in EasyBuilder Pro introduced here supports TIA Portal ver.13 and 14. Weintek RD team will continue to ensure that EasyBuilder Pro serves as a development platform which integrates seamlessly with Siemens S7-1200/1500 tag tables.
- Applicable EasyBuilder Pro version: V5.07.02 and later