

KEYENCE KV-8000 (Symbolic) (Ethernet)

Supported Series: KEYENCE KV-8000

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

HMI Setting:

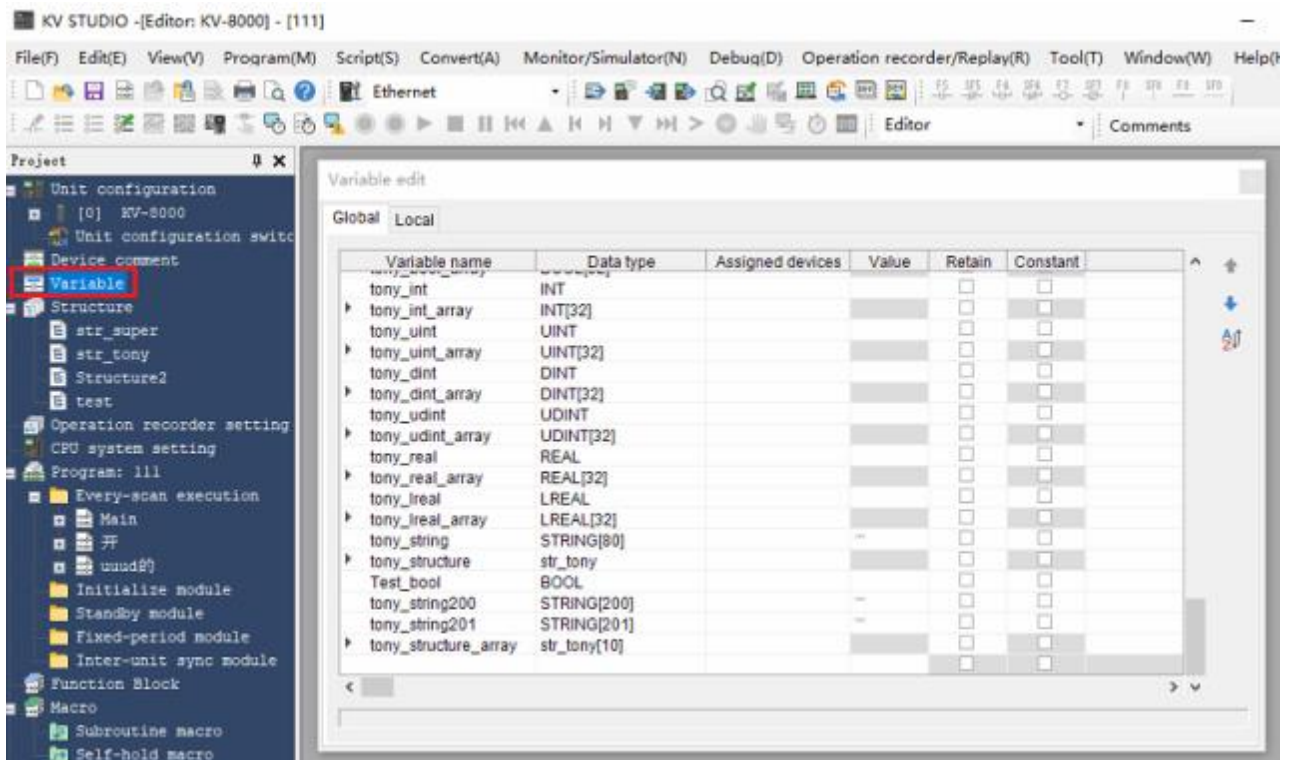
Parameters	Recommended	Options	Notes
PLC type	KEYENCE KV-8000 (Symbolic) (Ethernet)		
PLC I/F	Ethernet		
Port no.	8500		

On-line simulator	Yes	Multi-HMI connect	Yes
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Export Tags:

Software KV STUDIO creates tag:

1. **Variable** -> **Global** or **Local**, create tag (Tag name limit cannot exceed 60 characters).



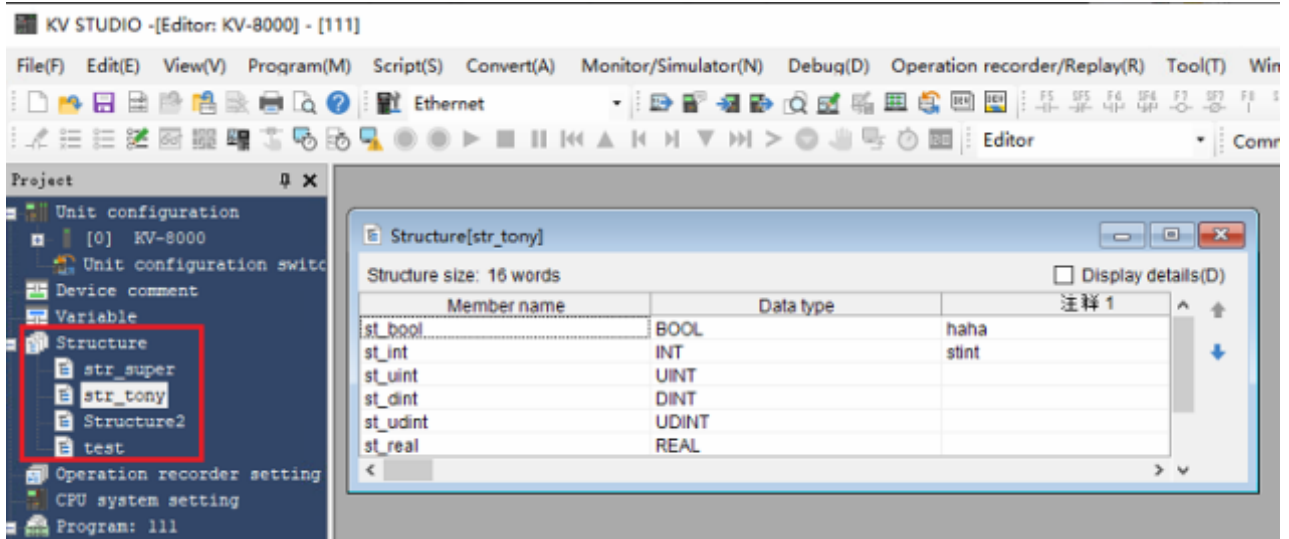
The screenshot shows the KV STUDIO software interface. The main window displays the 'Variable edit' dialog box with the 'Global' tab selected. The dialog box contains a table of variables:

Variable name	Data type	Assigned devices	Value	Retain	Constant
tony_int	INT			<input type="checkbox"/>	<input type="checkbox"/>
tony_int_array	INT[32]			<input type="checkbox"/>	<input type="checkbox"/>
tony_uint	UINT			<input type="checkbox"/>	<input type="checkbox"/>
tony_uint_array	UINT[32]			<input type="checkbox"/>	<input type="checkbox"/>
tony_dint	DINT			<input type="checkbox"/>	<input type="checkbox"/>
tony_dint_array	DINT[32]			<input type="checkbox"/>	<input type="checkbox"/>
tony_udint	UDINT			<input type="checkbox"/>	<input type="checkbox"/>
tony_udint_array	UDINT[32]			<input type="checkbox"/>	<input type="checkbox"/>
tony_real	REAL			<input type="checkbox"/>	<input type="checkbox"/>
tony_real_array	REAL[32]			<input type="checkbox"/>	<input type="checkbox"/>
tony_lreal	LREAL			<input type="checkbox"/>	<input type="checkbox"/>
tony_lreal_array	LREAL[32]			<input type="checkbox"/>	<input type="checkbox"/>
tony_string	STRING[80]			<input type="checkbox"/>	<input type="checkbox"/>
tony_structure	str_tony			<input type="checkbox"/>	<input type="checkbox"/>
Test_bool	BOOL			<input type="checkbox"/>	<input type="checkbox"/>
tony_string200	STRING[200]			<input type="checkbox"/>	<input type="checkbox"/>
tony_string201	STRING[201]			<input type="checkbox"/>	<input type="checkbox"/>
tony_structure_array	str_tony[10]			<input type="checkbox"/>	<input type="checkbox"/>

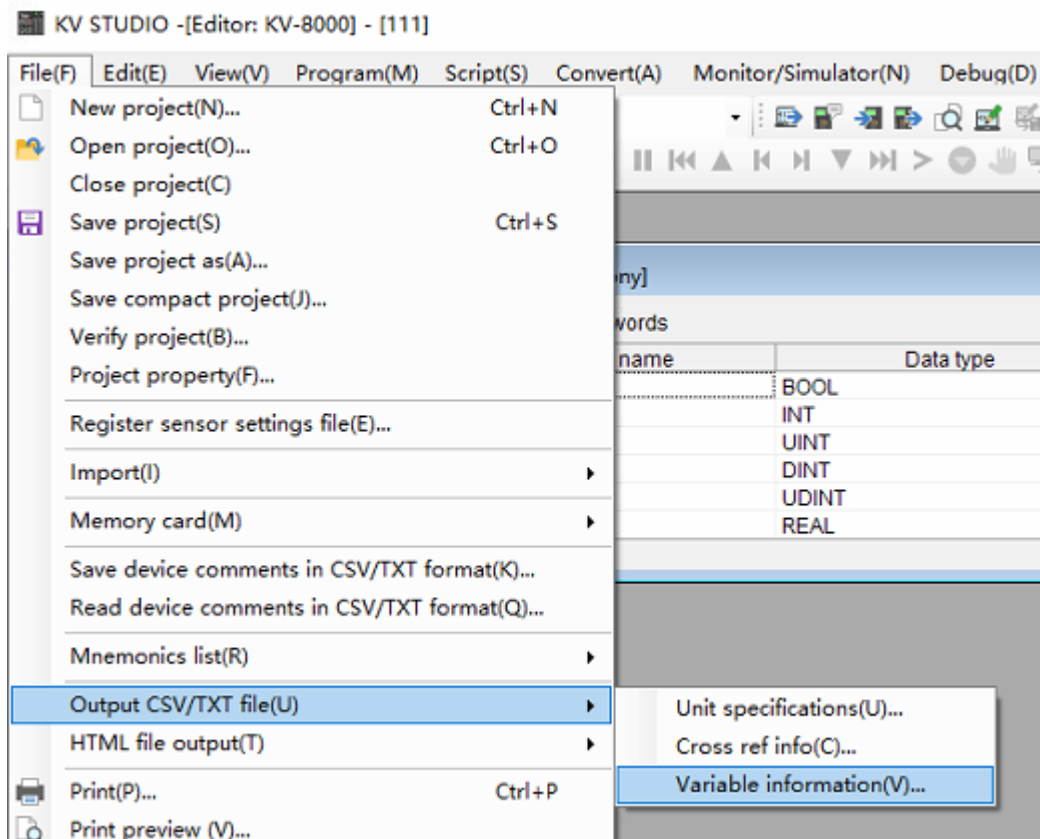
The Project tree on the left shows the following structure:

- Unit configuration
 - [0] KV-8000
 - Unit configuration switch
 - Device comment
 - Variable** (highlighted)
 - Structure
 - str_super
 - str_tony
 - Structure2
 - test
 - Operation recorder setting
 - CPU system setting
 - Program: l11
 - Every-scan execution
 - Main
 - 开
 - usud09
 - Initialise module
 - Standby module
 - Fixed-period module
 - Inter-unit sync module
 - Function Block
 - Macro
 - Subroutine macro
 - Self-hold macro

2. Support Sturcutre address.

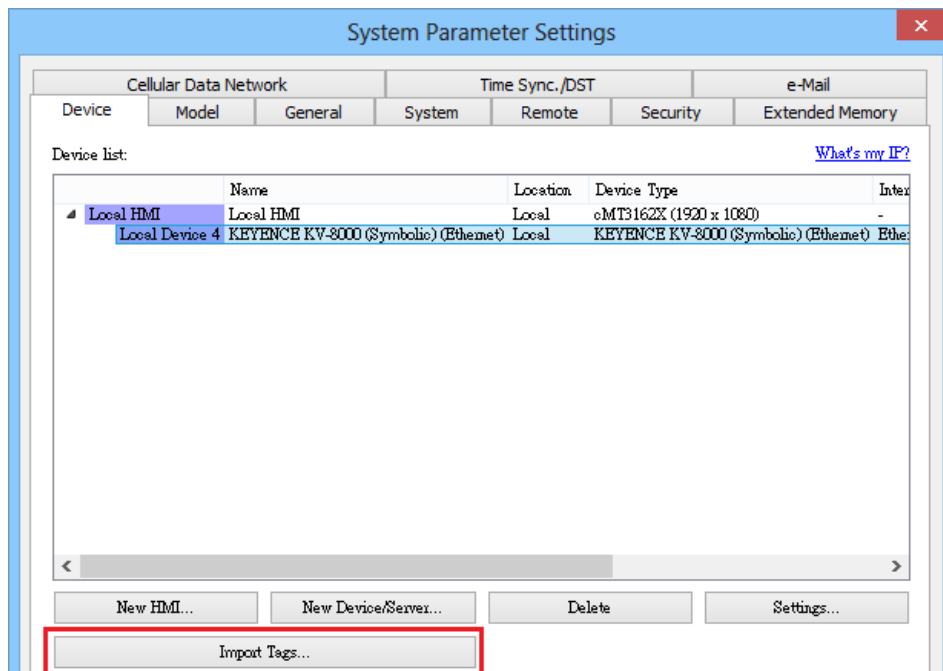


3. Export tag: File -> Output CSV/TXT file -> Variable information

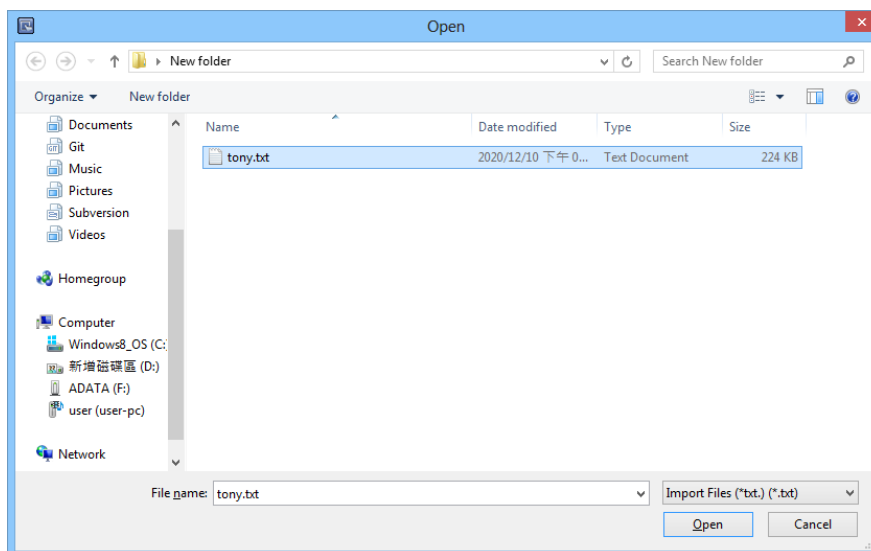


Import Tags:

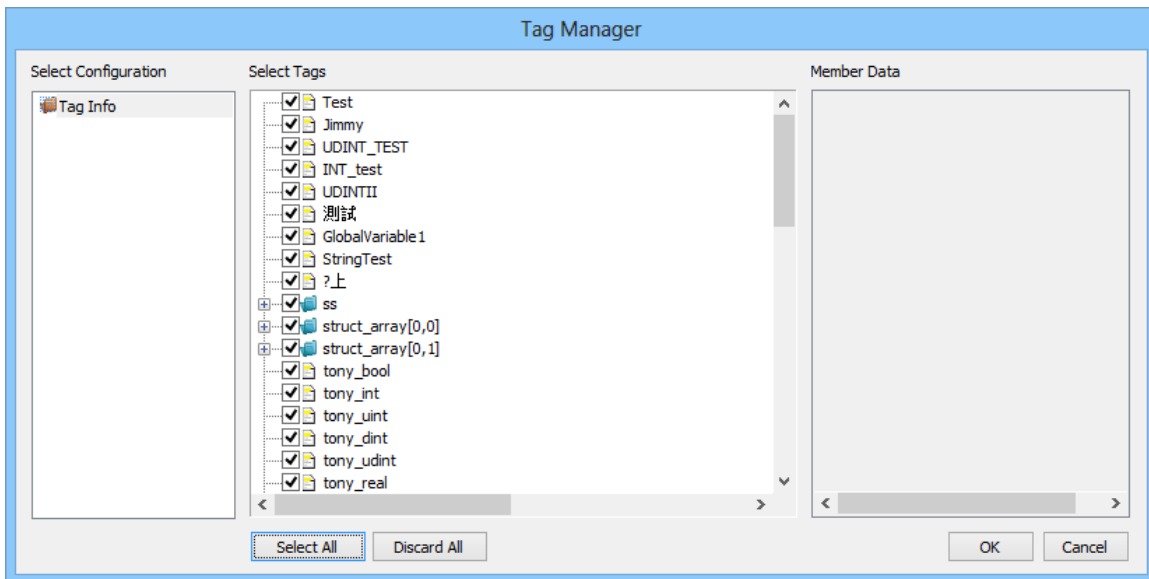
1. In EasyBuilder Pro -> System Parameter Settings -> New Driver (KV-8000) -> Import Tags.



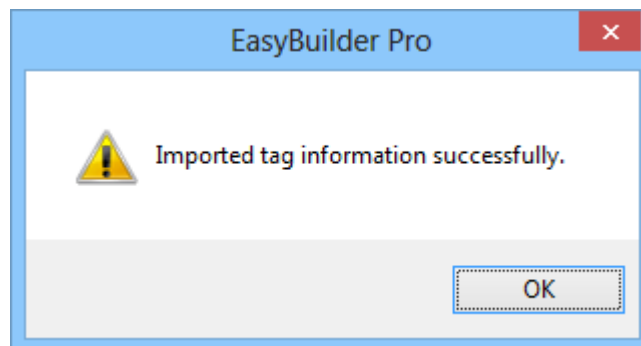
2. Select the .txt file to import.



3. Select the tag you want to import in Tag Manager, press **OK**.



4. Imported tag information successfully.

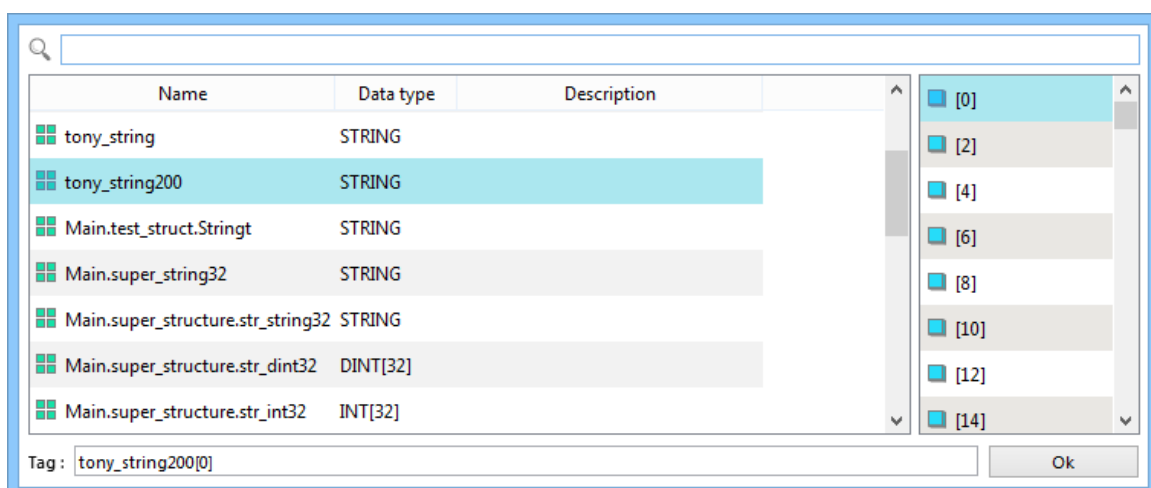


Support Device Type:

S7-1200 data type	EasyBuilder data format	Memo
BOOL	bit	
INT	16-bit BCD, Hex, Binary, Signed	16-bit
UINT	16-bit BCD, Hex, Binary, Unsigned	16-bit
DINT	32-bit BCD, Hex, Binary, Signed	32-bit
UDINT	32-bit BCD, Hex, Binary, Unsigned	32-bit
REAL	32-bit Float	32-bit
LREAL	64-bit Float	64-bit *Note1
STRING	Word array for ASCII input and display	*Note2
Array		BOOL, INT, UINT, DINT, UDINT, REAL, LREAL, Structure *Note3
Struct		BOOL, INT, UINT, DINT, UDINT, REAL, LREAL, STRING Array

Note1: 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.

Note2: String In EasyBuilder Pro, only even addresses can be selected, and the length limit cannot exceed 200 characters



Note3: Support 1~3D array, 4D arrays and above cannot be imported.

Wiring Diagram:

Ethernet cable:

