

## Rockwell Micro850 - Free Tag Names

Supported Series: Rockwell Micro820/850

Website: <https://www.rockwellautomation.com/>

### HMI Setting:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	Rockwell Micro850 - Free Tag Names		
<b>PLC I/F</b>	RS232		
<b>Baud rate</b>	38400	1200 ~ 38400	
<b>Data bits</b>	8		
<b>Parity</b>	None	None, Even, Odd	
<b>Stop bits</b>	1		
<b>PLC sta. no.</b>	1	0 ~ 254	
<b>Protocol (Multiple Service Packet)</b>	Disable (Default)	Disable/Enable	*Note

**\*Note:** Model: 2080-L50E, 2080-L70E supports Multiple Service Packet Protocol, the firmware version needs to be upgraded to v22 or above.

### PLC Setting:

Controller - Serial Port

Common Settings

Driver: CIP Serial

Baud Rate: 38400

Parity: None

Station Address: 1

Protocol Control

DF1 Mode: DF1 Full-Duplex

Control Line: No Handshake

Error Detection: CRC

Embedded Responses: After One Received

☒ Duplicate Packet Detection

ACK Timeout (x20ms): 50

ENQ Retries: 3

NAK Retries: 3

Transmit Retries: 3

## Support Device Type:

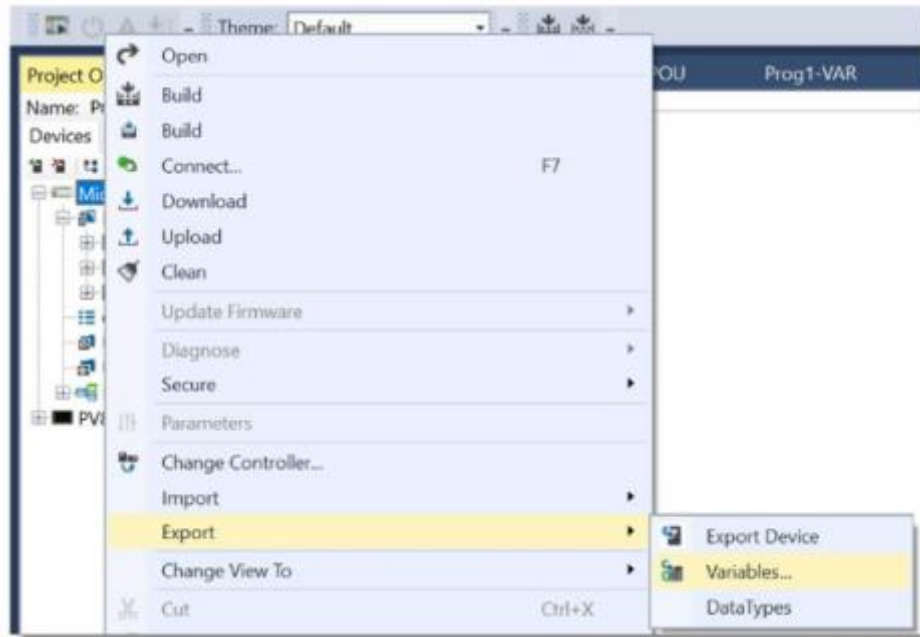
Data type	EasyBuilder data format	Memo
Bool	bit	
Byte	16-bit BCD, Hex, Binary, Unsigned	8-bit
SInt	16-bit BCD, Hex, Binary, Signed	8-bit
USInt	16-bit BCD, Hex, Binary, Unsigned	8-bit
Word	16-bit BCD, Hex, Binary, Unsigned	16-bit
Int	16-bit BCD, Hex, Binary, Signed	16-bit
UInt	16-bit BCD, Hex, Binary, 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
String	ASCII Object	Length=word

**Note:** 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.

## Export and Import Tags:

The Connected Components Workbench software terms for Controller Tags are Global Variables and Local Tags are called Local Variables.

1. To export Controller Tags, right-click the Micro800 controller icon in the **Project Organizer** and select **Export -> Variables**. Browse to the desired directory, enter a filename, and click **Save**. The file is saved in the Microsoft Excel format.



2. Open the EasyBuilder software, enter System Parameter and add a Rockwell Micro850 device.

### System Parameter Settings -> Device -> Select Driver -> Import Tags

Device list:

[What's my IP?](#)

	Name	Location	Device Type	Interface	I/F Protocol	Station No.
Local HMI	Local HMI	Local	cMT3092X (1024 x 768)	-	-	0
Local Device 1	Rockwell...	Local	Rockwell Micro850 -...	COM 1 ...	RS232	1

New HMI...

New Device/Server...

Delete

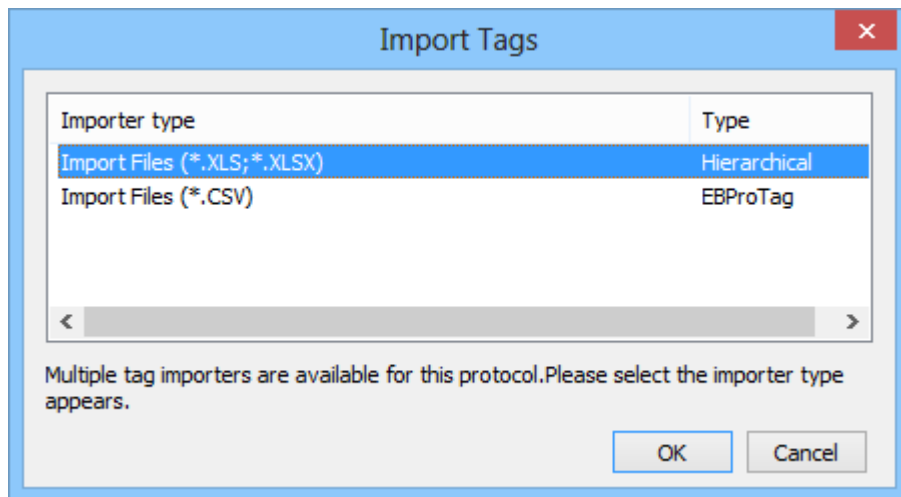
Settings...

Import Tags...

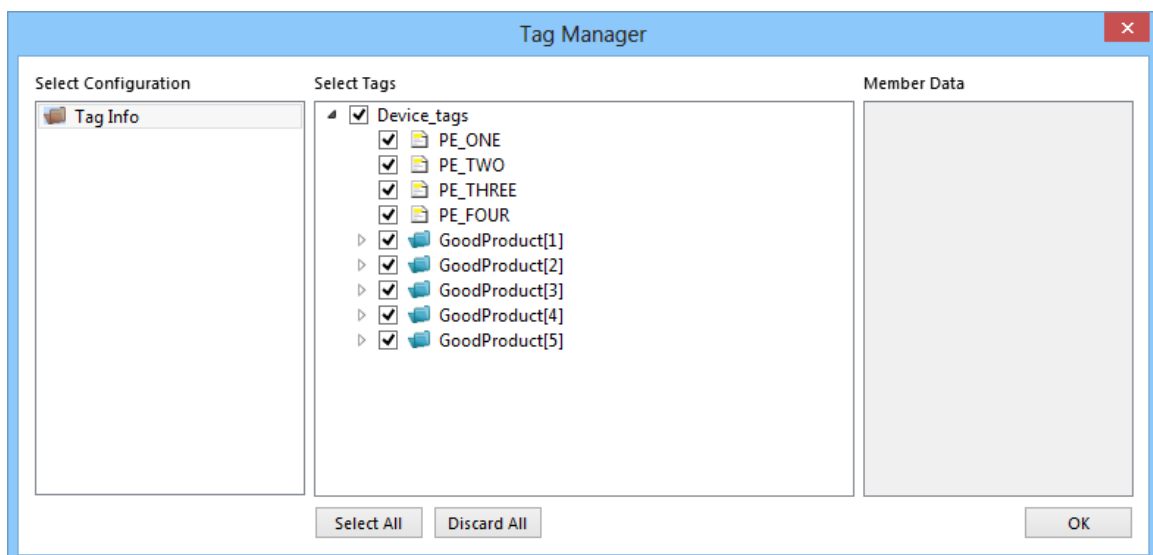
Export Tag...

3. Import Files (\*.XLS, \*.XLSX): Rockwell Soft Export Tag File

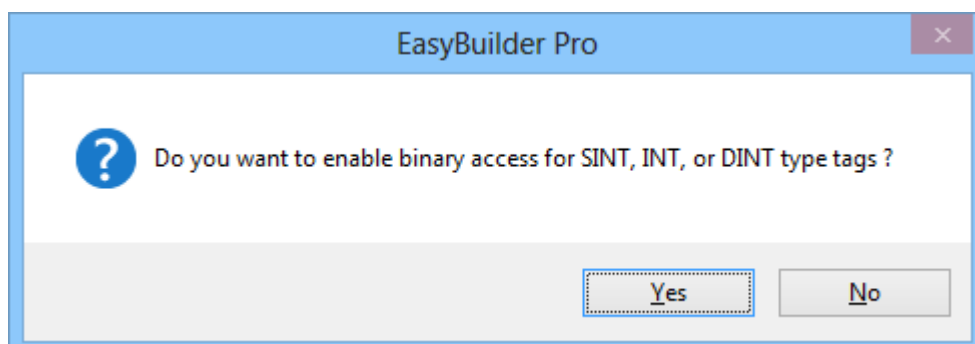
Import Files (\*.CSV): EasyBuilderPro Export Tag File



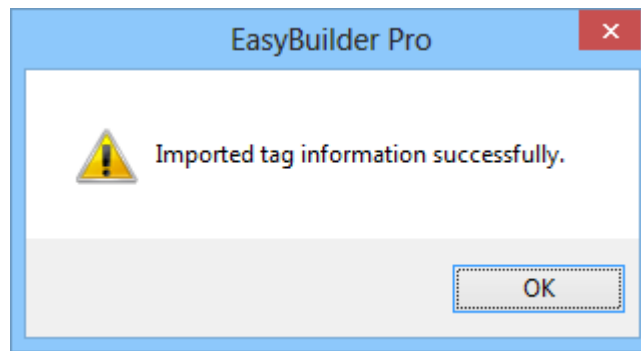
4. Select the imported tag, then press **[OK]**.



5. SINT, INT or DINT type tag choose whether to enable binary access.



6. Import tag information successfully.



**Note1:** This driver allows you to select multiple spreadsheets xls (or xlsx) at once when you import tags in EasyBuilderPro. In this way, you can import your Global variables and I/O tags at once.

**Note2:** The spreadsheet exported from CCW won't include I/O tags. If you need to import I/O tags, you can take a copy of your exported spreadsheet, delete the existing tags, and manually type in the tag names and data types of the I/O tags, which are located in your Global variables within CCW.

## Wiring Diagram:

### RS-232

The serial port pin assignments may vary between HMI models, please click the following link for more information.

