

iView HMI - Allen Bradley CompactLogix / ControlLogix Ethernet IP PLC

Tutorial



HMI solutions **you can view**

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Introduction

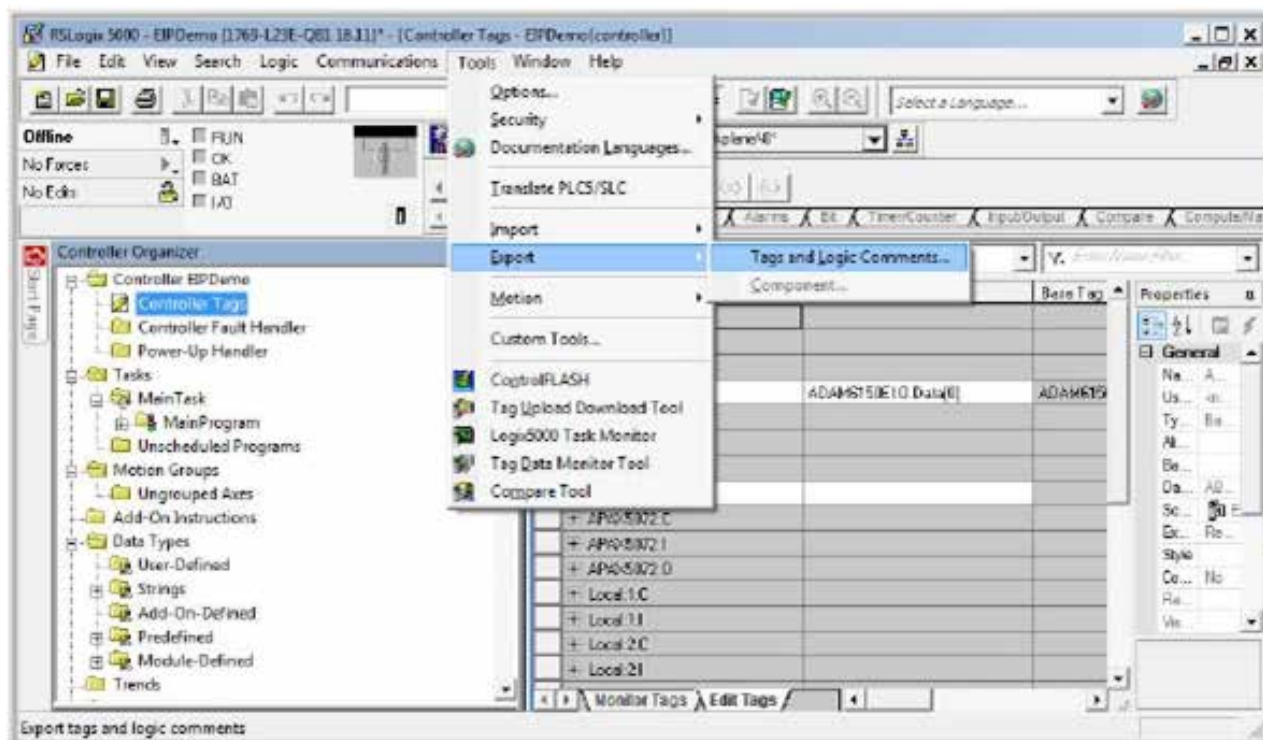
This driver is for communicating over Ethernet with Allen Bradley controller using the Ethernet IP port via Tag names.



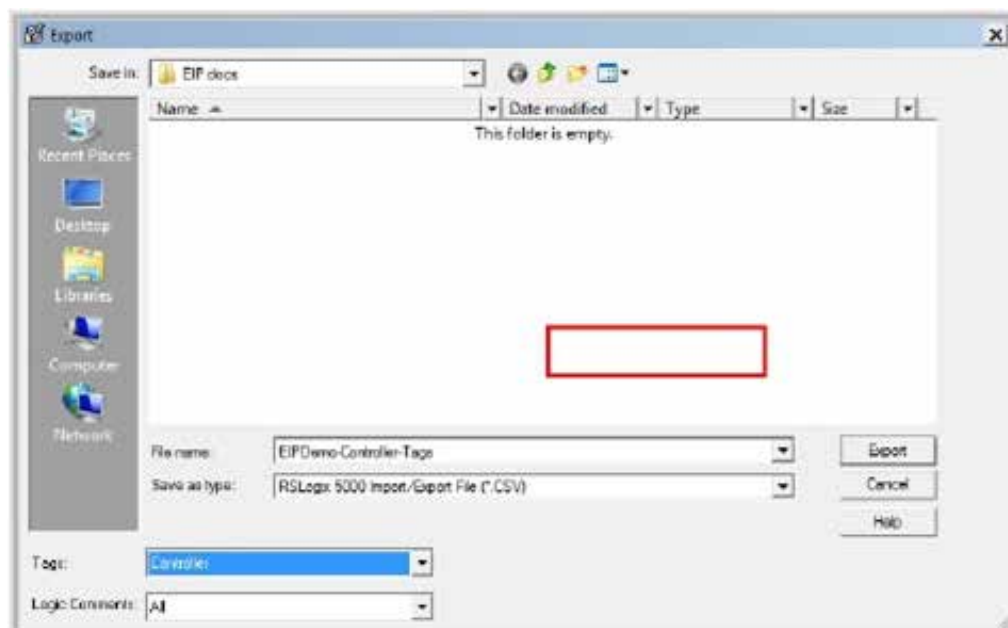
PLC Setting

1. Allen Bradley CompactLogix

Export the controller tags from the RSLogix 5000 software by selecting Tools | Export | Tags and Logic Comments.

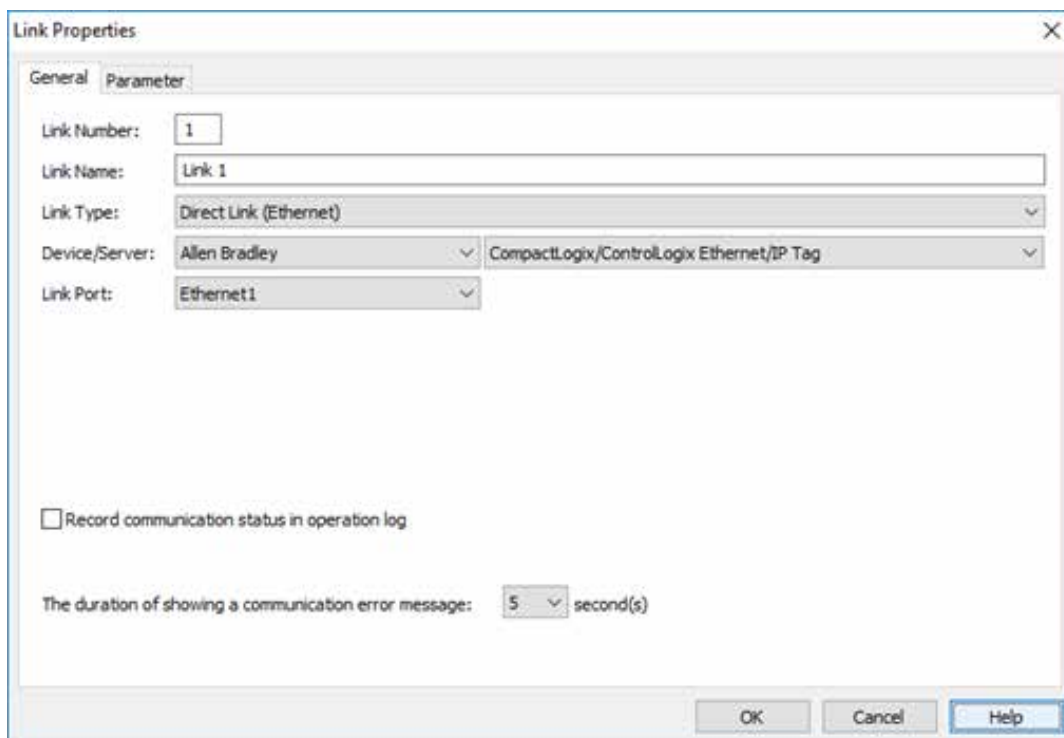


2. Save the CSV file to a location that where it can be imported into the WebOP Designer software.



HMI Settings

1. Select Allen Bradley CompactLogix/ControlLogix Ethernet/IP Tag for the link. For Control Logix you must also specify the slot number of the CPU.

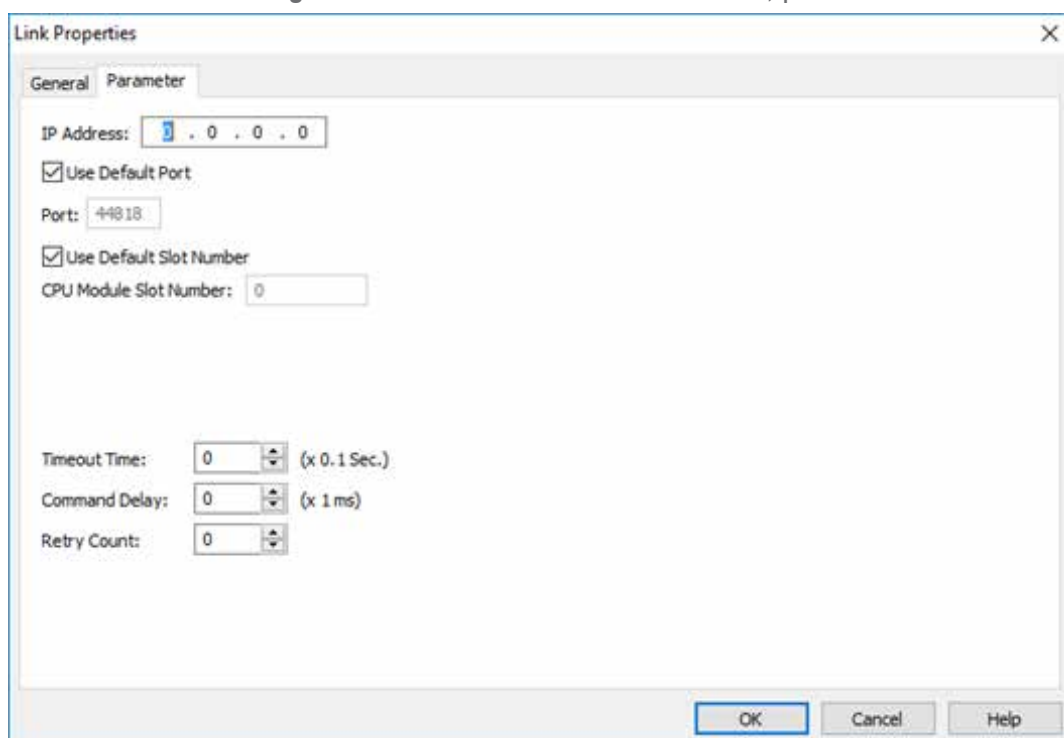


The screenshot shows the 'Link Properties' dialog box with the 'General' tab selected. The settings are as follows:

- Link Number: 1
- Link Name: Link 1
- Link Type: Direct Link (Ethernet)
- Device/Server: Allen Bradley (dropdown), CompactLogix/ControlLogix Ethernet/IP Tag (dropdown)
- Link Port: Ethernet1 (dropdown)
- ☐ Record communication status in operation log
- The duration of showing a communication error message: 5 second(s)

Buttons at the bottom: OK, Cancel, Help.

Communication setting: IP address and Host station Port NO., please refer to PLC

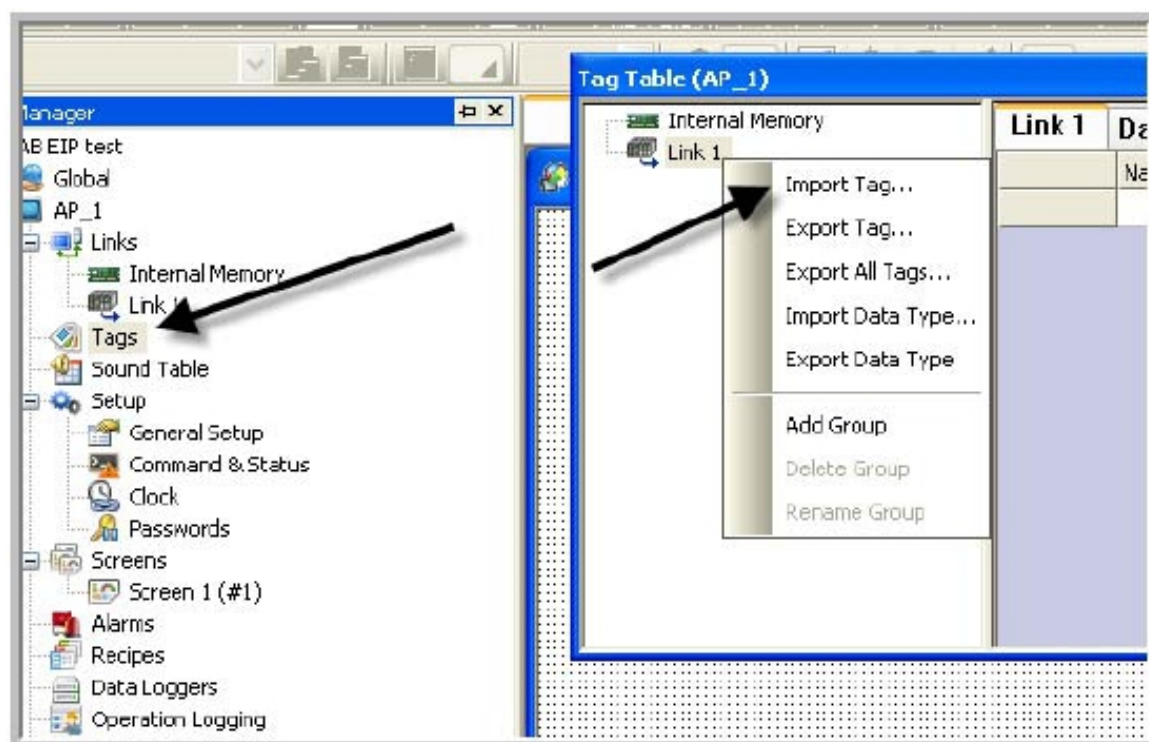


The screenshot shows the 'Link Properties' dialog box with the 'Parameter' tab selected. The settings are as follows:

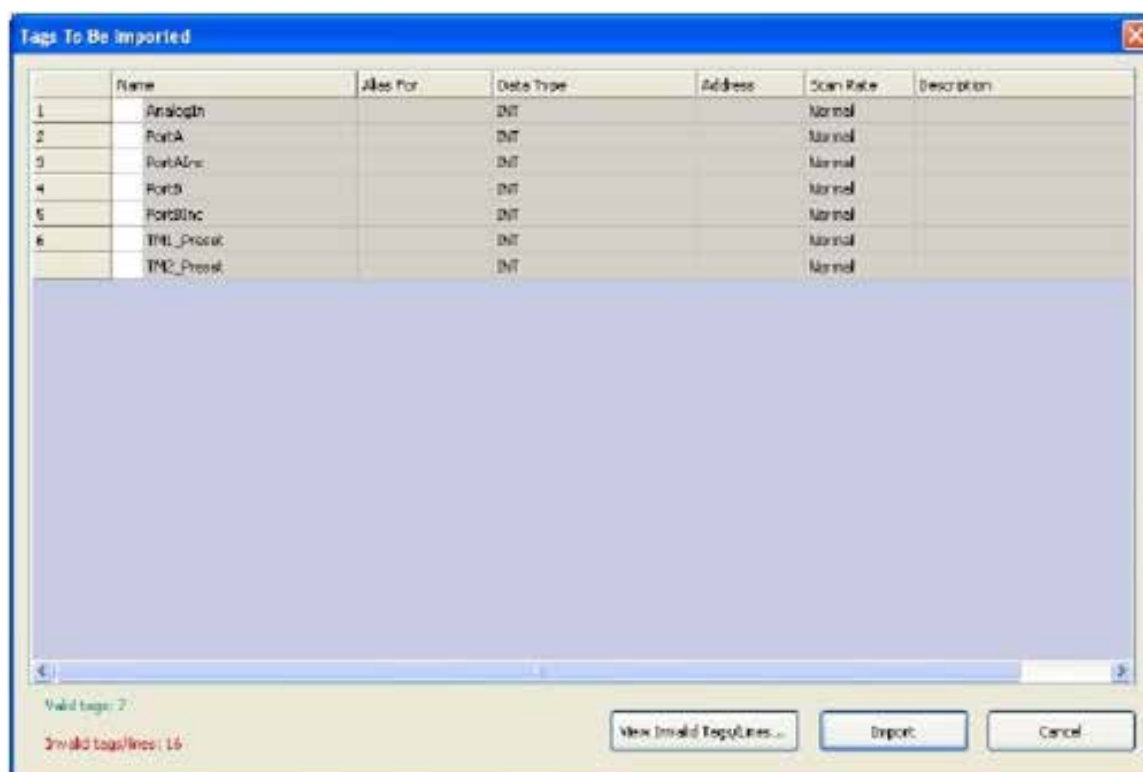
- IP Address: 192.168.0.0
- ☒ Use Default Port
- Port: 44818
- ☒ Use Default Slot Number
- CPU Module Slot Number: 0
- Timeout Time: 0 (x 0.1 Sec.)
- Command Delay: 0 (x 1 ms)
- Retry Count: 0

Buttons at the bottom: OK, Cancel, Help.

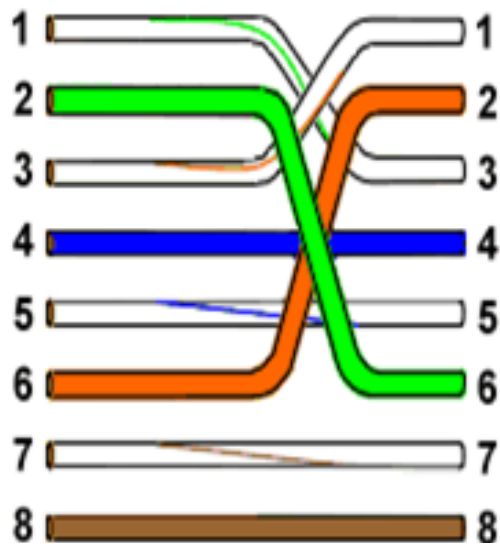
2. Open tags from the project tree, select the Link for Allen Bradley Driver, right click and then Import Tag...



3. Select the CSV file that was saved from RSLogix 5000. Only controller tags and known data type are supported. The dialog will show a list of tags that will be imported and tags that won't be imported. The tags not imported will be shown as invalid.



Ethernet Cable Diagram



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IMO Automazione

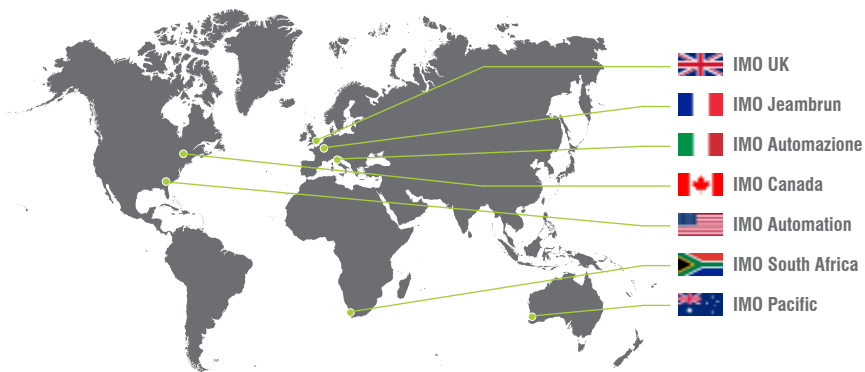
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