

EthernetIP

- PointIO and CompactLOGIX

straton user guide – Rev. 4

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straton



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1. Install Editor and Runtime

Download and install from <https://straton-plc.com/telechargements/>

2. POINT IO (1734-AENT/A)

1.1. Configuration of point IO modules

Before establishing the connection to the POINT IO, these modules require configuration. This is done through the WEB interface of the POINT IO bus coupler.

The screenshot shows the web interface for the 1734-AENT/A module. The top header is red with the Allen-Bradley logo on the left and Rockwell Automation logo on the right. Below the header, there's a navigation menu on the left with options: Home, Diagnostics, Configuration, and Browse Chassis. The main content area is titled 'Home' and displays the following configuration details:

Host Name	
Module Description	COPALP PointIO
Module Location	COPALP
IP Address	192.168.0.34 from EEPROM
Ethernet Address (MAC)	00:00:BC:63:32:F1
DHCP Enabled	False
Status	Awaiting Connection
Serial Number	40435184
Product Revision	3.006 Build 5
Firmware Version Date	Aug 12, 2010 13:49:50

On the right side of the configuration table, there are two links: 'Resources' with the text 'Visit AB.com for additional information' and 'Contacts'.

At the bottom of the page, it says: Copyright © 2009, Rockwell Automation, Inc. All rights reserved.

Login: admin

Password: password

Set the Chassis Size according to the number of modules plugged.

The screenshot shows the web interface for the 1734-AENT/A module, specifically the 'Network Configuration' page. The top header is red with the Allen-Bradley logo on the left and Rockwell Automation logo on the right. Below the header, there's a navigation menu on the left with options: Home, Diagnostics, Configuration, Identity, Network, Services, and Browse Chassis. The main content area is titled 'Network Configuration' and displays the following configuration details:


Device Information and Chassis Size	
Host Name	<input type="text"/>
Module Description	COPALP PointIO
Module Location	COPALP
Chassis Size	5


Below the table, there is an 'Apply Changes' button.

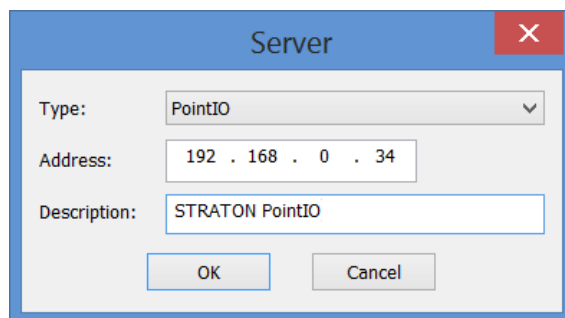
At the bottom of the page, there is a note: 'Note: Values on this page are in non-volatile memory. Changes to these parameters do not take effect until the 1734-AENT has been reset or power cycled.' and the copyright notice: 'Copyright © 2005 Rockwell Automation, Inc. All Rights Reserved.'


1.2. Configuration

Open the IO Drivers window using the tool bar () or right click on the project > Insert Shortcut > Fieldbus configurations

Insert a new Fieldbus using tool bar () or menu Insert > Insert configuration and select the "FlexIO/PointIO" driver.

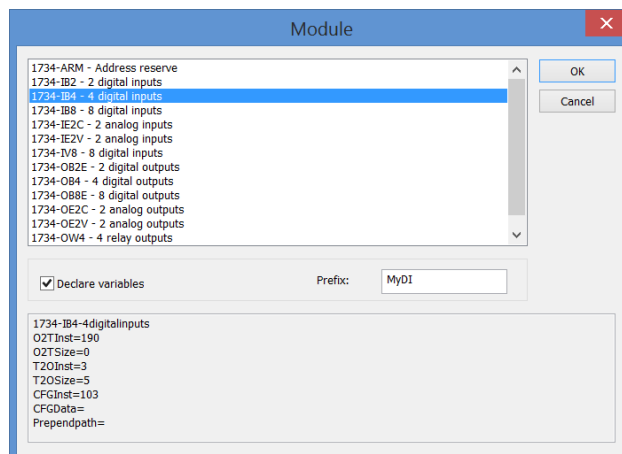
Insert a master using tool bar () or menu Insert > Insert Master/Port then Select PointIO.



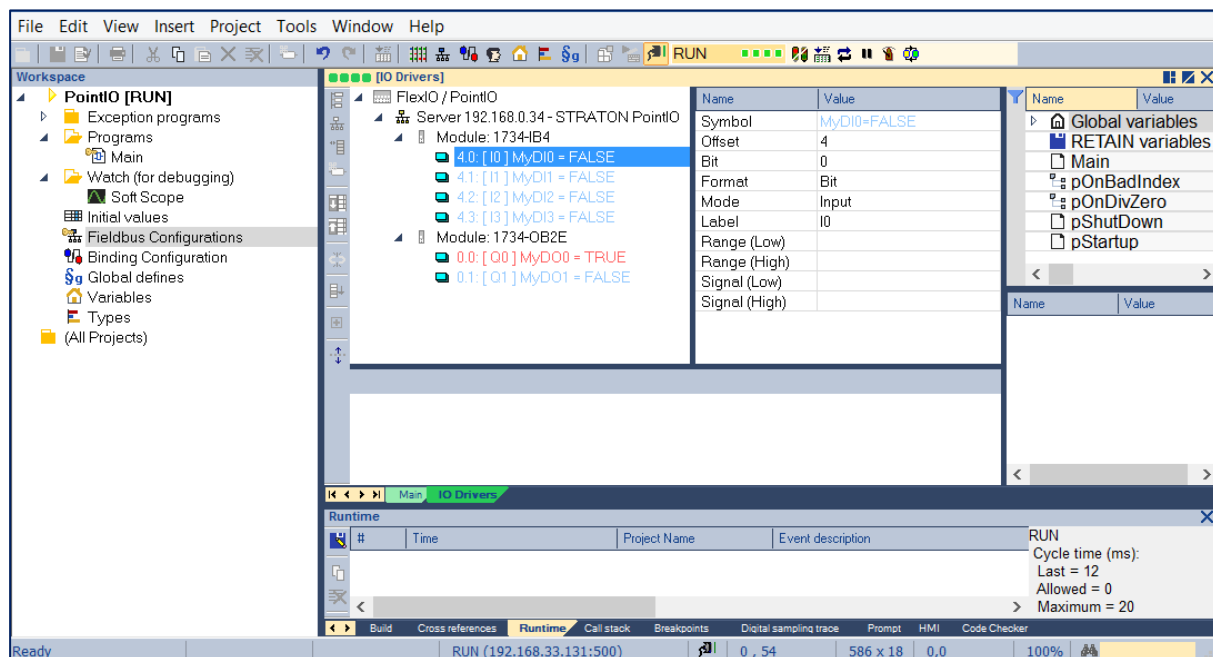
Insert a PointIO module using tool bar () or menu Insert > Insert Slave/Data block then the module.

Modules need to be inserted in the right order. Only modules in the list are supported.

When inserting the module, variables can be declared automatically by checking "Declare variables" and setting a prefix.




Configuration is ready, download the application to a runtime supporting EtherNet/IP.




3. CompactLogix (L23E)

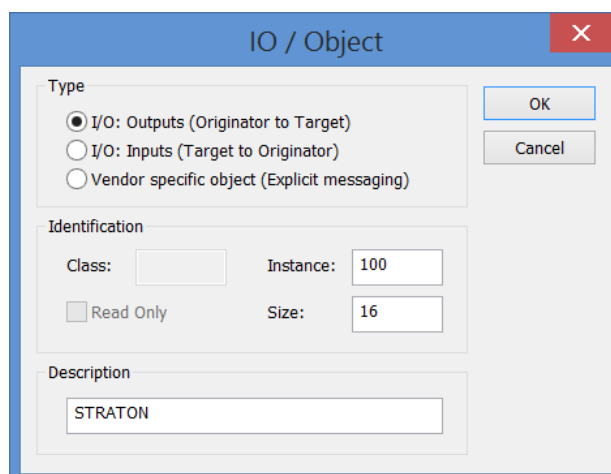
3.1. Configuration as an EtherNet/IP Adapter

Open the IO Drivers window using the tool bar () or right click on the project > Insert Shortcut > Fieldbus configurations

Insert a new Fieldbus using tool bar () or menu Insert > Insert configuration and select the "EtherNet/IP adapter" driver.

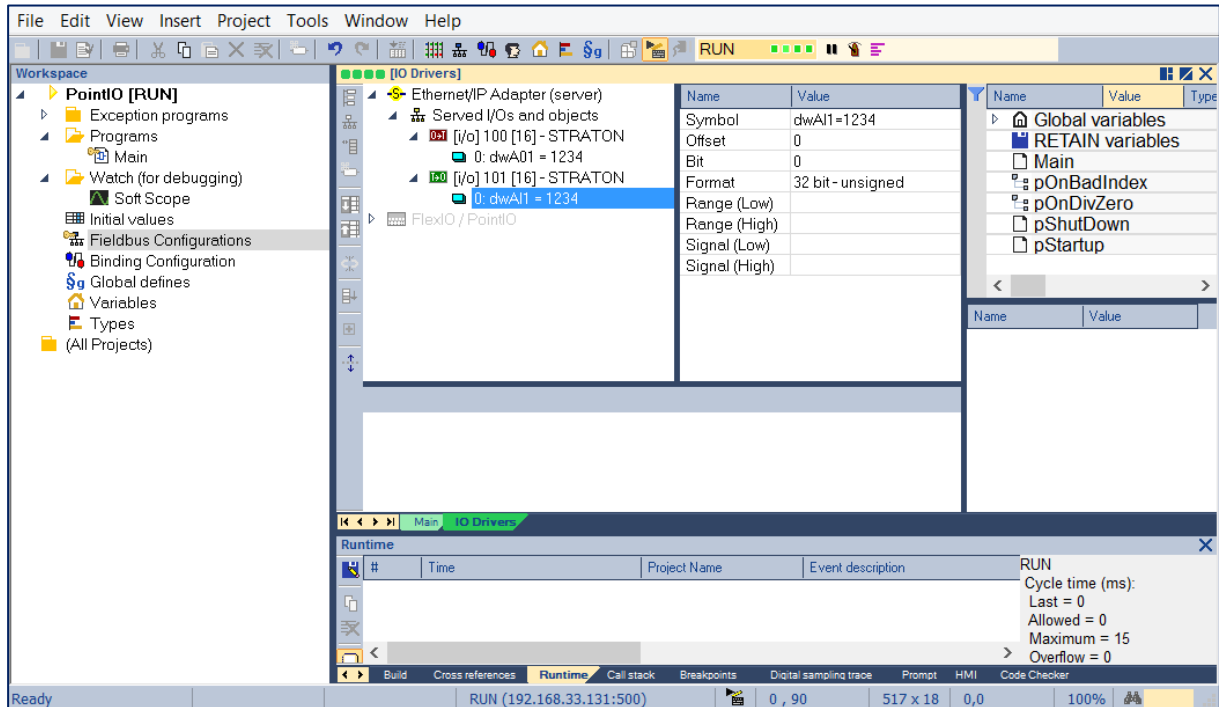
"Served IOs and Objects" is automatically inserted.

Insert a Data block module using tool bar () or menu Insert > Insert Slave/Data block then the module.



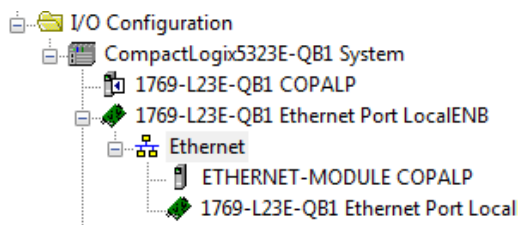
Insert variables according to the parameters of the IO / Object.

Configuration is ready, download the application to a runtime supporting EtherNet/IP.

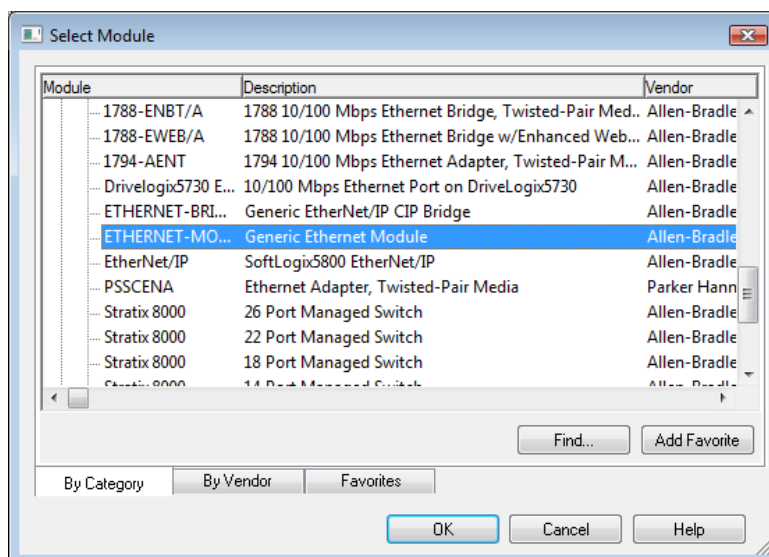


3.2. Configuration of EtherNet/IP scanner

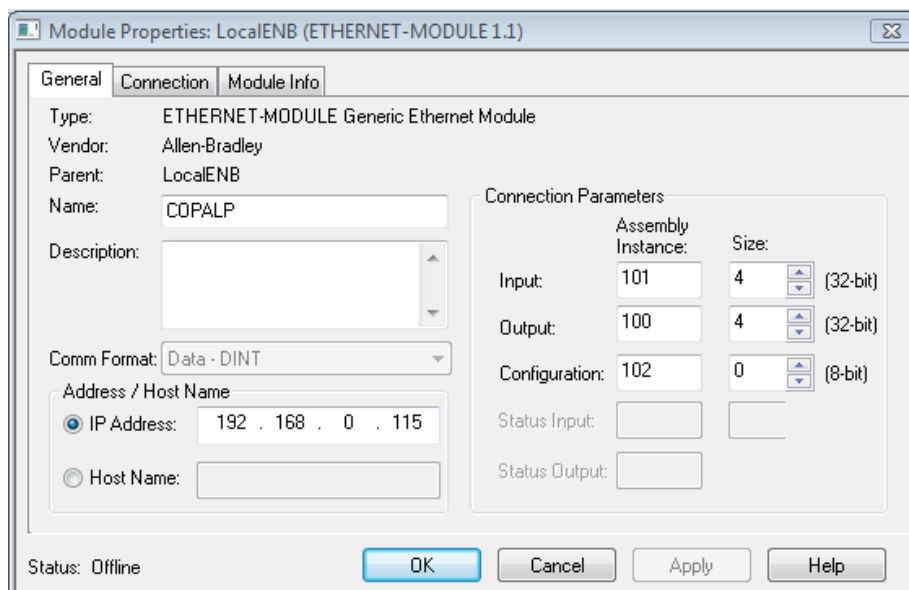
Go in I/O configuration, in the Ethernet node add a New Module.



Select Generic Ethernet Module.



Set the different parameters according to the assembly declared.



The configuration is ready, variables can be read/write from the ControlLogix.