Rockwell ControlLogix

Refer to these sections for details:

Supported Series

Rockwell Automation Allen-Bradley ControlLogix, CompactLogix, FlexLogix Ethernet, CompactLogix 1768-L43 1768-L45 with 1768-ENBT /A Ethernet module.

Website: http://ab.rockwellautomation.com/

⚠ Certain device drivers will *not* have a list of register names in the DeviceHub Add Tag form. These are *Free Tag* PLCs. For Free Tag requirements, see Troubleshoot Device Connectivity Status.

PLC Connection Settings

Parameters	Recommended	Options	Notes
PLC Type	Rockwell EtherNet/IP (ControlLogix)		
PLC Interface	Ethernet		
Port #	44818		
PLC Station #	Same as CPU Slot #		

PLC Configuration

The setup shown here is for the Rockwell Automation Allen-Bradley ControlLogix PLC.

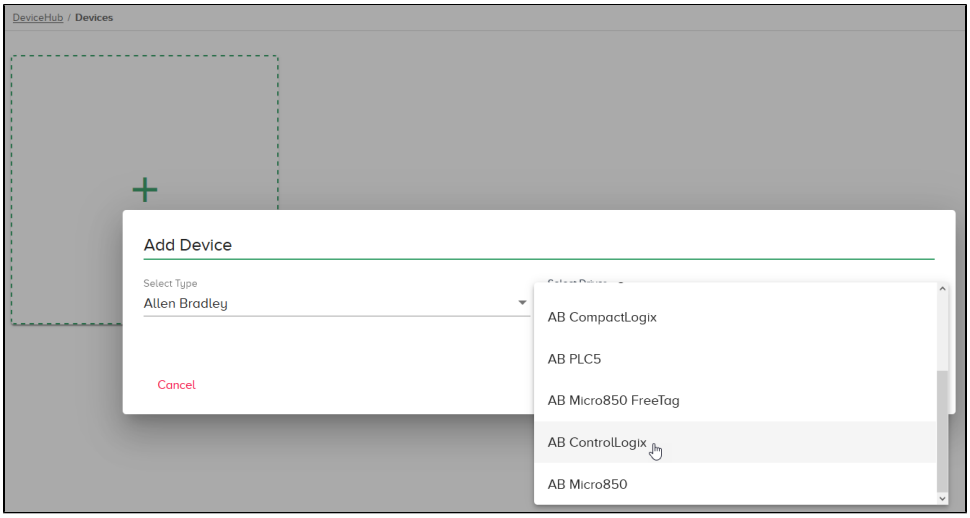
ⓘ The instructions listed here provide only the basic configuration steps. Refer to the Rockwell Automation Allen-Bradley PLC documentation for current, complete details.

1. Set the PLC IP address.
2. Create new tags (Controller and Program tags supported).
3. Export tag data to a CSV file: **Tools > Export > Tags and Logic Comments**.
   Note: The CSV will consist of PLC settings along with the Tags which can be read using LoopEdge.

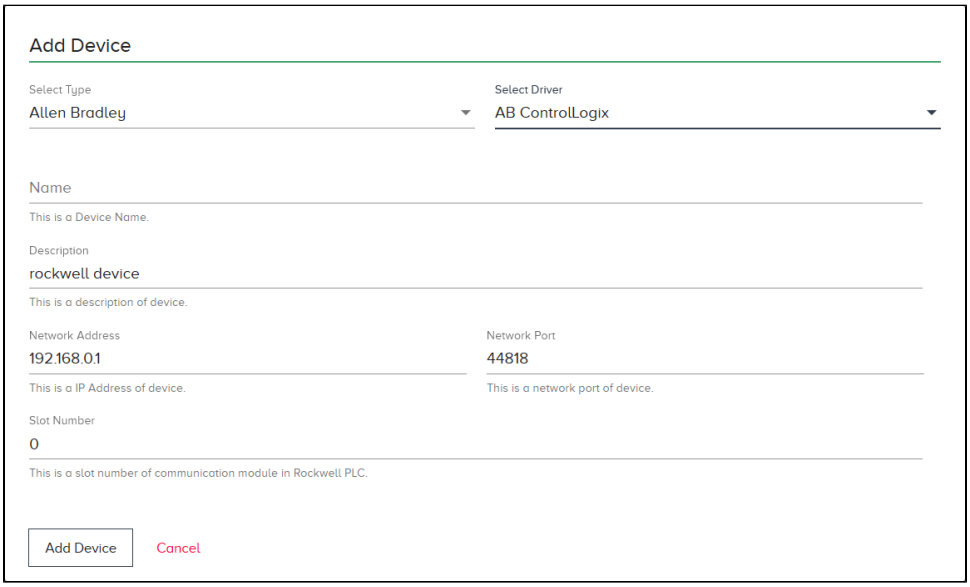
LoopEdge DeviceHub Configuration

To configure DeviceHub for this ControlLogix PLC:

1. **DeviceHub > Add Device**
   Type: Allen-Bradley
   Driver: AB ControlLogix



2. Enter details specific to your environment and click **Add Device**.



Device Addresses

PLC Data Type	Bit/Word	Data Format	Description
BOOL	Boolean	Bit object	
BitArray			
SINT			
INT	Integer	16-bit signed, ASCII	-32768 ~ 32767
DINT	Double Integer	32-bit signed	-2^{31} ~ (2^{31} - 1)
REAL	Single Precision Float	32-bit Float	IEEE 754