

Rockwell Flex Serial

Refer to these sections for details:

- [Supported Series](#)
- [PLC Connection Settings](#)
- [PLC Configuration](#)
- [LoopEdge DeviceHub Configuration](#)
- [Device Addresses](#)

Supported Series

Supported Series: Rockwell ControlLogix, CompactLogix, FlexLogix CH0 DF1.

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
PLC Type	Rockwell FlexLogix	
PLC Interface	RS232	
Baud Rate	19200	9600, 19200, 38400
Data Bits	8	8
Parity	Even	None, Odd, Even
Stop Bits	1	1
HMI Station #	0	
PLC Station #	1	1 ~ 31

PLC Configuration

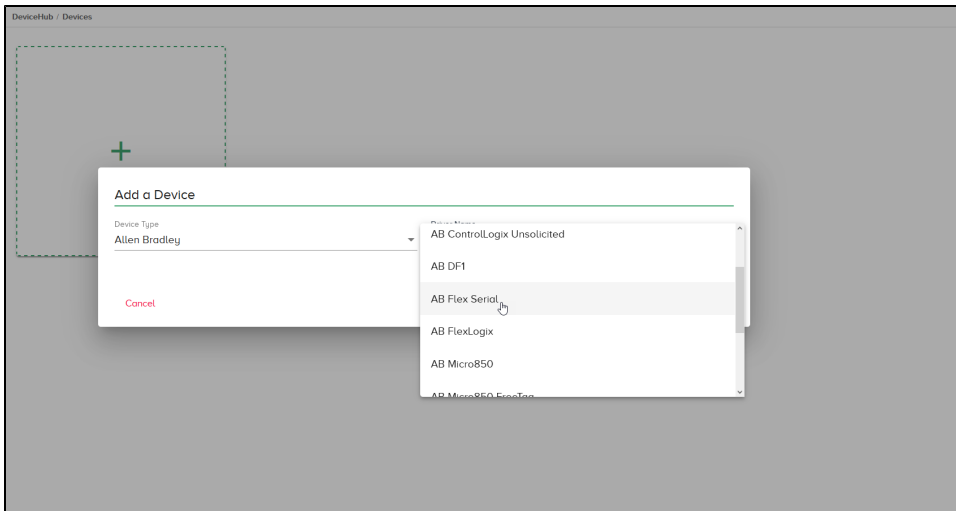


Communication mode: DF1 No Handshake protocol 19200, None, 8, 1 (default). Error Check: BCC, Station Address: 1

LoopEdge DeviceHub Configuration

To configure DeviceHub for this Rockwell Allen-Bradley FlexLogix PLC:

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



2. Enter details specific to your environment and click **AddDevice**

Add a Device

Device Type: **Allen Bradley** Driver Name: **AB Flex Serial**

Name: _____
This is a Device Name.

Description: **rockwell device**
This is a description of device.

Data Bits: **8** Communication Port: **/dev/ttyS0**
This is a serial communication databits parameter. This is a system device file path of device.

Baud Rate: **19200** Parity: **None**
This is a serial communication baudrate parameter. This is a serial communication parity parameter.

Stop Bits: **1**
This is a serial communication stopbits parameter.

 Cancel

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	$-2^{31} \sim (2^{31} - 1)$
REAL	Single Precision Float	32-bit Float	IEEE 754