

OPCUA Client (Beta)

Refer to these sections for details:

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

Supported Series

OPC UA series: Unified Automation, Prosys, Kepware

Web site reference: <https://opcfoundation.org/certified-products>

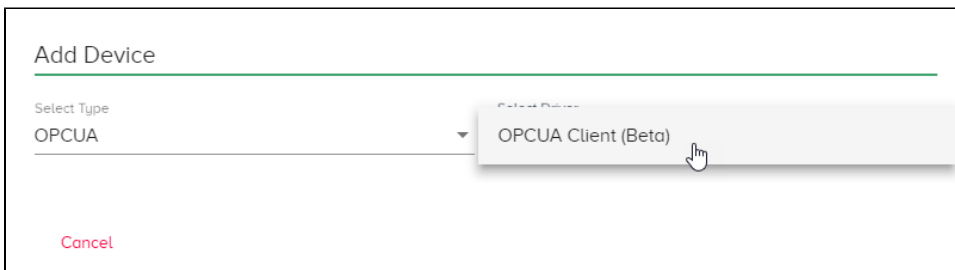
PLC Connection Settings

Parameters	Recommended	Options
PLC Type	OPC UA Client	
PLC Interface	Ethernet	
Port #	4840	
Security Policy	None	None/Basic128Rsa15/Basic256
Message Security Mode	None	None/Sign/SignAndEncrypt

LoopEdge DeviceHub Configuration

To configure DeviceHub for OPCUA, take these steps:

1. **DeviceHub > Add Device**
Type: OPCUA
Driver: OPCUA Client (Beta)



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



- Certain device drivers will *not* have a list of Register Names in the DeviceHub Add/Edit Tag form. These are *Free Tag* PLCs. For Free Tag requirements, see [Troubleshoot Device Connectivity Status](#).
- For the **Register Name**, in the DeviceHub Add/Edit Tag form, map the OPC server tags to the client using this format, where the semicolon is significant: `ns=1;s=tagname`
 - Example: `ns=2;s=Channel1.Device1.Tag1`
- Only **Anonymous** security mode is supported.
- **Server Name** currently is not used, however, an entry must be made in this field.

Add Device

Select Type

OPCUA ▼

Select Driver

OPCUA Client (Beta) ▼

Name

This is a Device Name.

Description

OPCUA DEVICE

This is a description of device.

Network Address

192.168.0.1

This is a IP Address of device.

Network Port

102

This is a network port of device.

Security

Anonymous ▼ Server Name

Cancel

Device Types

Device Type	Format
BOOL	Boolean bit
SINT	SByte 16-bit BCD (binary coded decimal), Hex, Binary, Signed
USINT	Byte 16-bit BCD (binary coded decimal), Hex, Binary, Unsigned
BYTE	8-bit, Unsigned
CHAR	8-bit, Signed
SHORT	16-bit, Signed
INT	16-bit integer
LONG	32-bit, Signed
UINT	16-bit Integer, Unsigned
WORD	16-bit, Unsigned
DINT	32-bit BCD (binary coded decimal), Hex, Binary, Signed
UDINT	32-bit BCD (binary coded decimal), Hex, Binary, Unsigned
DWORD	32-bit, Unsigned
REAL	32-bit Float
DOUBLE	64-bit Float

Configuration Video



opcuaclient.mp4