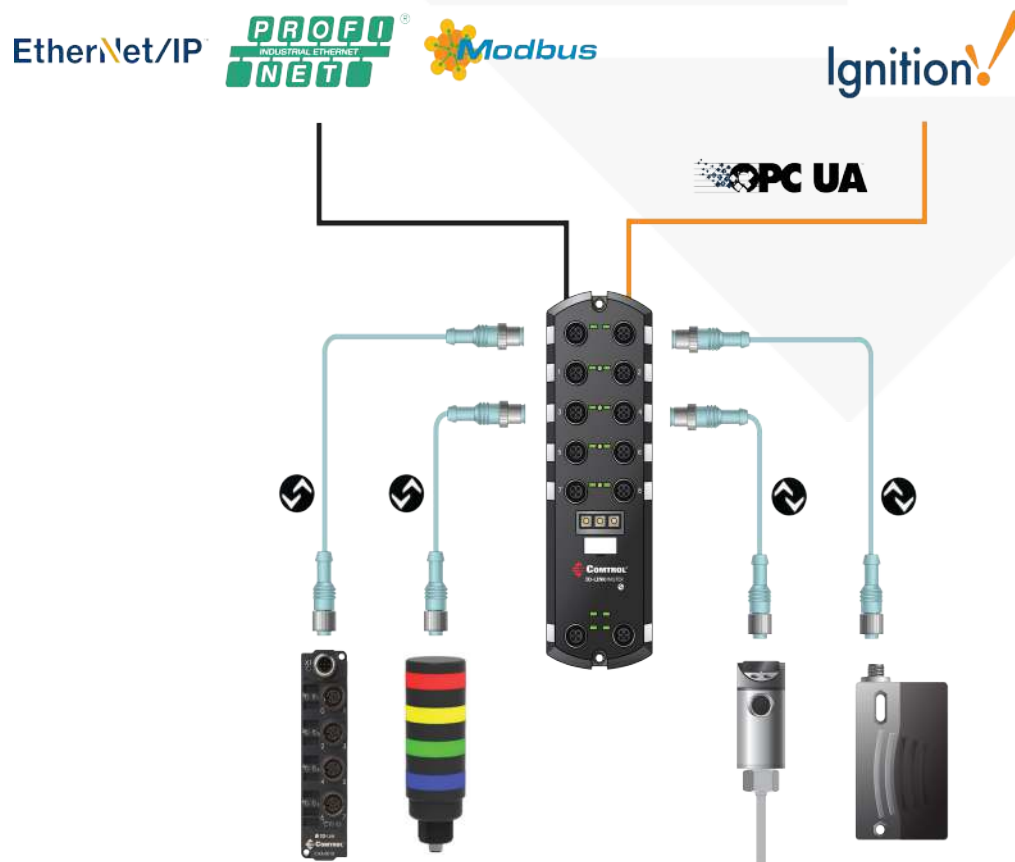


DELIVER SENSOR DATA DIRECT TO IGNITION VIA OPC UA

- No PLC required- Direct connection to HMI, OPC Client and SCADA systems
- Hardware and software cost reductions
- Control's Multi-Link feature offers Process Data control (PDI/PDO) using multiple Ethernet protocols simultaneously
- IIoT enabled- Condition Monitoring, Predictive Maintenance, control and diagnostics with Ignition and IO-Link



Sensor control and monitoring have traditionally been achieved by hardwiring to a PLC or connecting to network blocks, which then communicate with a PLC. To send data to a SCADA system or OPC Client, it has required a PLC to process the data then send it upstream. This adds hardware and software costs and sometimes is not a necessary piece of the system.

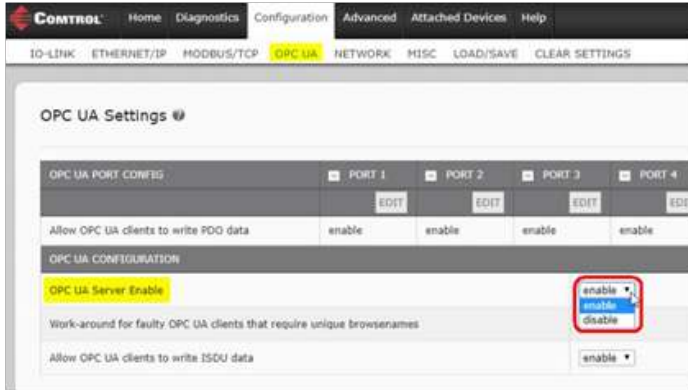
Control has developed a solution by giving the user ultimate flexibility for their applications. Sensor data can be sent directly to an OPC Client or SCADA system through OPC UA from Control's IO-Link communication block. Users can also simultaneously control devices from the PLC or another controller using Ethernet/IP, Profinet or Modbus TCP.

IGNITION DIRECT SETUP USING OPC UA AND CONTROL I/O MODULE

STEP ONE - Enabling Control OPC UA Server

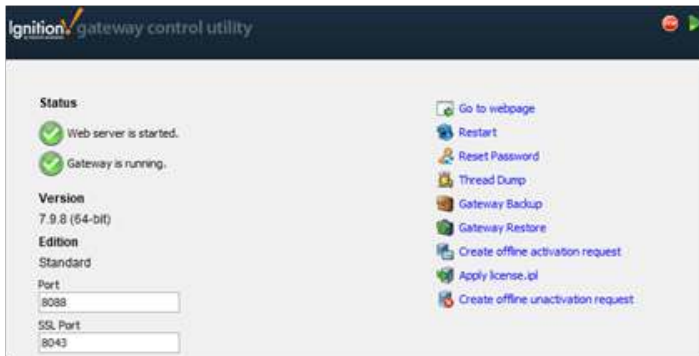
1. Type the IO-Link Master IP address in your web browser
2. Click the **Configuration | OPC/UA** menu.
3. Click the **Edit** button.
4. Select **Enable** for the **OPC UA Server Enable**.

Note: You must have application base version 1.5.0 or higher installed on the IO-Link Master.



STEP TWO - Connection to Ignition

1. Open the Ignition Gateway Control Utility.
2. Click **Go to webpage**.
3. Click Restart if status is not showing green check marks.



STEP THREE - Connecting the Server to Ignition

1. Click **Configuration** tab at the top of the page.
2. Scroll down and on the left column menu select **Servers** under **OPC Connections**.



3. Click **Create New OPC Server Connection**



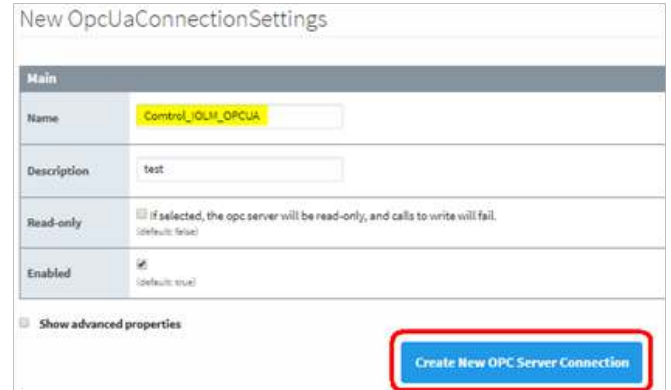
4. Select **OPC-UA**, and then click **Next**.

STEP THREE - Continued...

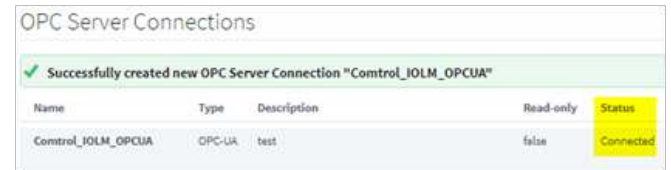
5. Type in the endpoint address, an example is below. Make sure to use **4840** after your Control Block IP address.



6. Click **Discover**
7. Select the connection you just made then click **Next**
8. Name the connection, add description or authentication, then click **Create New OPC Server Connection** at the bottom



9. A notification will appear confirming successful connection



STEP FOUR - Launching Designer and Creating Tags

1. Click **Launch Designer** at the top right of the page
2. Give the project a name and title, click **Create New Project**



3. Create tags and link to graphs or images

