

OPC UA CLIENT CONNECTION - IGNITION BY INDUCTIVE AUTOMATION

The following procedure illustrates how to configure the Comtrol IO-Link Master for use with the Ignition Gateway Control Utility. You must have the following application base images installed on the IO-Link Master:

- EIP v1.5.0.1 or higher
- PNIO v1.5.0.1 or higher

Please note that depending upon when you purchased the IO-Link Master, you may need to send the IO-Link Master to Comtrol for the image updates. Contact your sales representative for more information.

STEP ONE

1. Type the IO-Link Master IP address in your web broswer and click Enter.

- 2. Click the **Configuration | OPC/UA** menu.
- 3. Click the **Edit** button.
- 4. Select Enable for the OPC UA Server Enable.
- 5. Click **Save**.

4	COMTR	OL' H	lome	Diagnostics	Configuration	Advanced	d Attaches	d Devices	Help				10-Link M	laster 8-80P	Logout	
	IO-LINK	ETHERN	IET/IP	MODBUS/T	CP OPC/UA	IOTHUB	NETWORK	MISC	LOAD/SAVE	CLEAR SETTINGS		 				_
-	OPC/U	JA Sett	tings													
	OPC/U/	A CONFIG	URATIO	N										CANCEL	SAVE	ł.
	OPC/U	A Server E	inable							enable *						
	Work-a	round for	faulty (OPC/UA clients	that require uni	que browsen	ames			disable •						

STEP TWO

- 1. Open the Ignition Gateway Control Utility.
- 2. Click Go to webpage.

3. If necessary, click Restart if the status for **Web server is started** and **Gateway is running** are BOTH not showing green check marks.



STEP THREE

- 1. Click Configuration Section.
- 2. If necessary, sign in.
- This screenshot is of the trial version.
- 3. If the banner is not green, restart the trial after signing in.

Ignition-Brandonr10lptp	
Ignition A HOME & STATUS	¢ CONFIGURE
Trial Version 0:33:39 We're glad you're test drivi	ng our software. Have fun.
	Welcome to the Ignition Gateway Image: Congratulations, Ignition is installed and running! Whether you need an OPC-UA server, a SQL datalogger, an HMI, or a full-blown SCADA or MES solution, Ignition can han few common steps to help get you started: Image: Imag

- 4. Scroll down the page and find the **OPC Connections** section.
- 5. Click Servers.



6. Click Create new OPC Server Connection...

OPC Server Connections							
Name	Туре	Description					
Ignition OPC-UA Server	OPC-UA	A connection to the OPC-UA server provided by Ignition's OPC-UA module.					

→ Create new OPC Server Connection...

Note: For details about a connection's status, see the OPC Connection Status page.

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

Add OPC Server Connection Step 1: Choose Type



Ignition provides two examples of URL's you can use to connect.

8. Use the second example and type in the IP address of the Comtrol IO-Link Master and append the IP address with 4840 instead of what they have listed.

For example, if the Comtrol IO-Link master has an IP address of 192.168.4.86, the URL would look like this:

opc.tcp://192.168.4.86:4840

9. Click **Discover**.

Discover OPC-UA Endpoints						
opc.tcp://192.168.4.86:4840						
Discover						
Example: opc.tcp://localhost:4096 or opc.tcp://192.168.1.10:49320						

10. Select the connection you just made and then click **Next**.

Discover OPC-UA Endpoints
opc.tcp://192.168.4.86:4840
Discover
opc.tcp://192.168.4.86:4840 SecurityPolicy: None, MessageSecurity: None
Next
Example: opc.tcp://localhost:4096 or opc.tcp://192.168.1.10:49320

- 11. Enter a name and description if desired.
- 12. Select any other settings that may apply.
- 13. Click Create New OPC Server Connection.

New OpcUaConnectionSettings

Main						
Name	Comtrol_IOLink					
Description	test					
Read-only	If selected, the opc server will be read-only, and calls to write will fail. (default: false)					
Enabled	✓ (default: true)					

Authentication						
Username						
Password						
Password	Re-type password for verification.					

Show advanced properties

Create New OPC Server Connection

The connection is now established and you are now able to create a new project in Ignition Designer.

OPC Server Connections

Successfully created new OPC Server Connection "Comtrol_IOLink"								
Name	Туре	Description	Read-only	Status				
Comtrol_IOLink	OPC-UA	test	false	Connected				

CONTACT AND SUPPORT INFORMATION

Warranty Information	Sales Support	Technical Support	Email, FTP, and Web Support
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5-year limited warranty.			www.comtrol.com

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