

Application Note

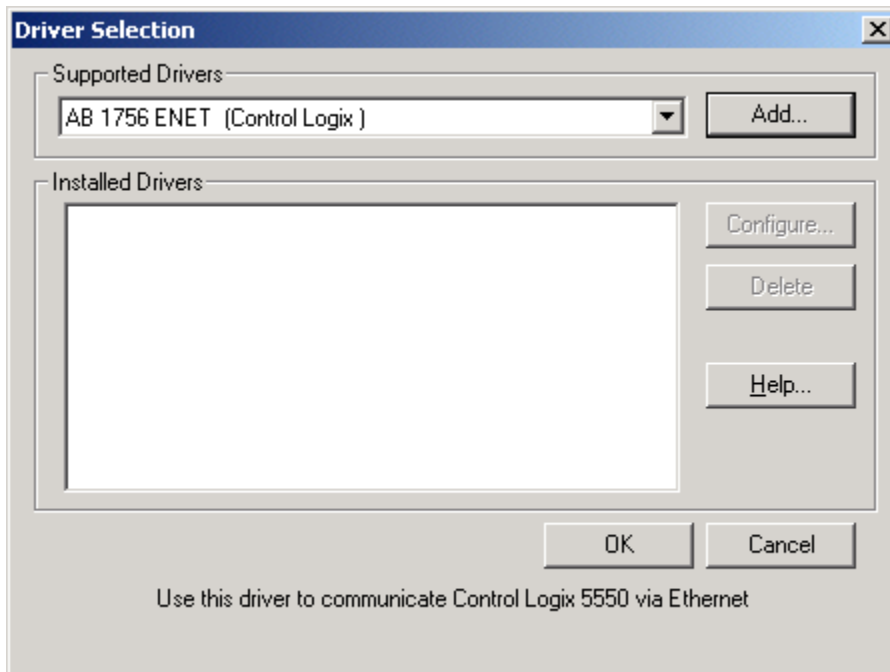
Using AN-X-DCSNet with the InGear OPC Server



This application note describes how to configure the InGear AB OPC server to access DCSNet data on the AN-X-DCSNet module.

Start the InGear AB OPC server and use the following steps to configure it to access data on the AN-X-DCSNet.

1. Select *Edit/Comm Settings...*
2. For the *Driver*, select the *AB 1756 ENET (ControlLogix)* driver and click *Add...*



3. For the *PLC IP Address or Hostname*, enter the AN-X-DCSNet IP address and click *OK*

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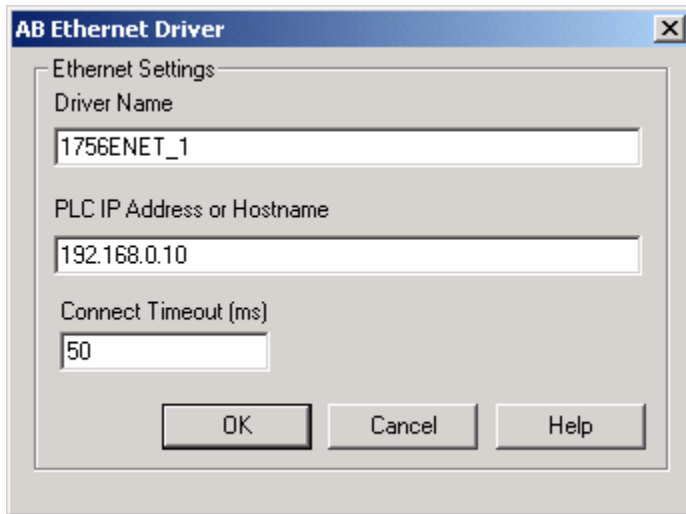
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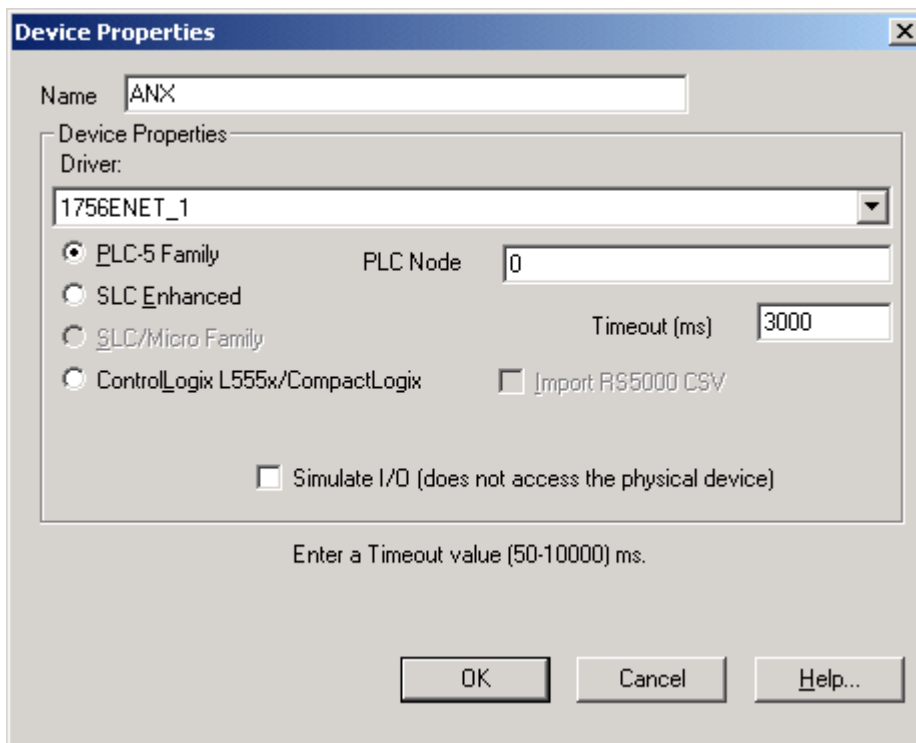
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4. Click *OK* to accept the driver configuration
5. Select *Add/New Device...*
6. Give the device a *Name*, select the *Driver* you just added, select *PLC-5 Family* and set the *PLC Node* to 0. Click *OK* to accept the device



7. Select *Add/New Tag...*
8. Give the tag a *Name*.

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9. Enter an integer file address. AN-X uses integer file N100 for drop 0 data, file N101 for drop 1, and so on. The DCS received messages counter is found in drop 0 register 14 (N100:14) and should be incrementing if AN-X is active on a DCS network
10. For the *Data Type* select *VT_I2 – (INT/Word)*
11. Click *OK* to accept the tag

The screenshot shows the 'Tag Properties' dialog box with the following configuration:

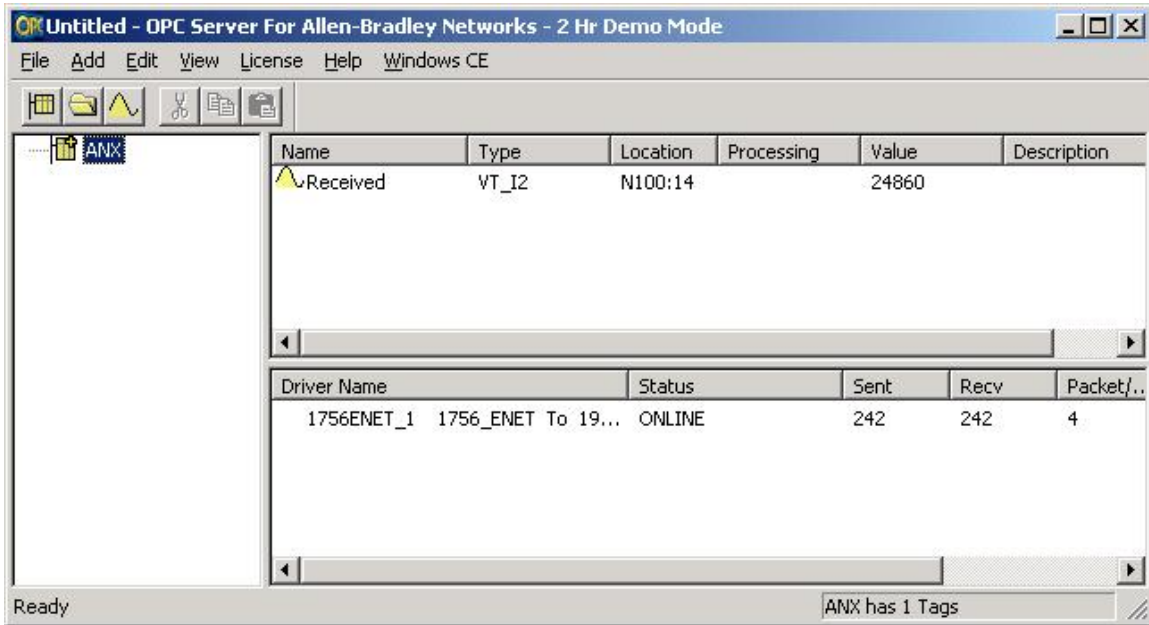
- Name: Received
- Description: (empty)
- File Element: N100:14
- Data Type: VT_I2 - (INT/Word)
- Array: Array Elements: 1
- Scaling: Enable, Settings... button
- Simulation signal: Ramp

VT_I2 - 16 Bit Integer Value (INT - 32768 to 32767)

You should now be able to access the tag from any client capable of communicating with the InGear AB OPC server.

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Select *View/Monitor* to go online. The tag should be incrementing



Name	Type	Location	Processing	Value	Description
Received	VT_I2	N100:14		24860	

Driver Name	Status	Sent	Recv	Packet/...
1756ENET_1 1756_ENET To 19...	ONLINE	242	242	4

Ready ANX has 1 Tags

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