

# Application Note

Using AN-X-DHP with the InGear OPC Server to  
Access PLC-5 Data



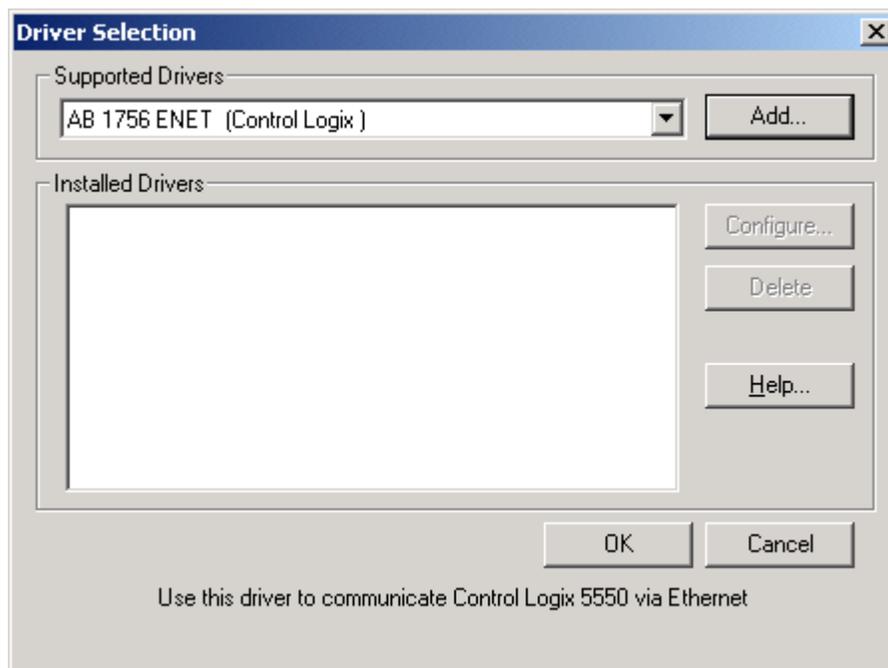
This application note is provided for historical purposes only.

It was written for a much older version of the server and AN-X firmware and we cannot guarantee that it applies to the current versions.

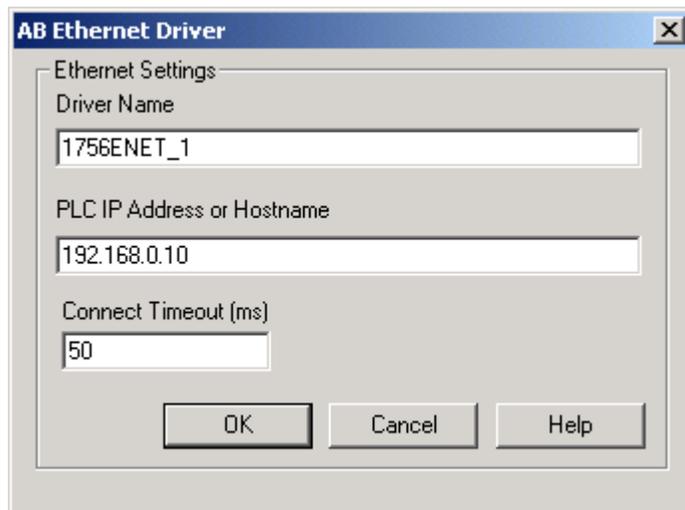
This application note describes how to configure the InGear AB OPC server to access PLC-5 data using the AN-X-DHP module.

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

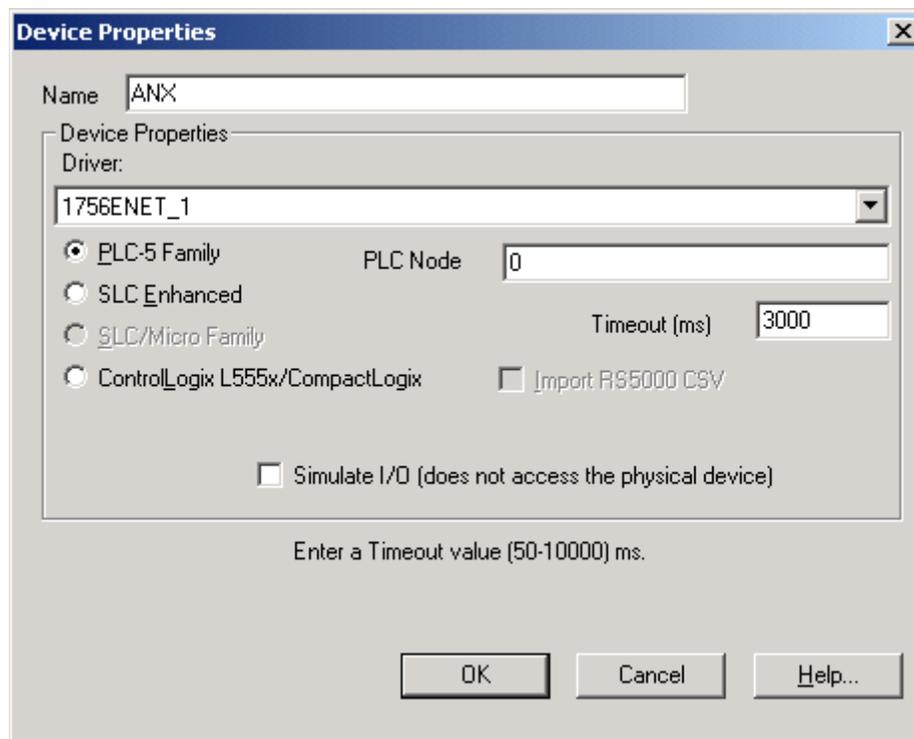
1. Select *Edit/Comm Settings...*
2. For the *Driver*, select the *AB 1756 ENET (ControlLogix)* driver and click *Add...*



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

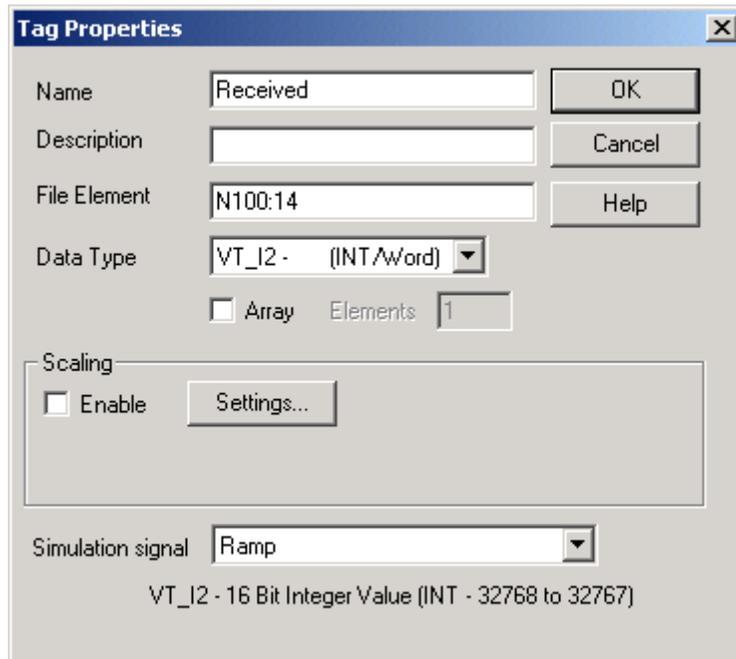


4. Click *OK* to accept the driver configuration
5. Select *Add/New Device...*
6. Give the device a *Name*, select the *Driver* you just added, select *PLC-5 Family* and set the *PLC Node* to the address (in decimal) of the destination PLC-5 on Data Highway Plus. Click *OK* to accept the device



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

9. Enter a file address, for example N7:0 or F8:3.
10. Enter the *Data Type*, for example *VT\_I2 – (INT/Word)*
11. Click *OK* to accept the tag



The screenshot shows the 'Tag Properties' dialog box with the following fields and controls:

- Name:** Received
- Description:** (empty)
- File Element:** N100:14
- Data Type:** VT\_I2 - (INT/Word) (dropdown menu)
- Array:**  Array Elements: 1
- Scaling:**  Enable Settings... (button)
- Simulation signal:** Ramp (dropdown menu)

At the bottom, the tag is identified as: 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.

Select *View/Monitor* to go online and view tag data.

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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