Application Note





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...

Driver Selection	×
Supported Drivers	
AB 1756 ENET (Control Logix)	· Add
Installed Drivers	
	Configure
	Delete
	<u>H</u> elp
OK	Cancel
Use this driver to communicate Control Logix 5550 via I	Ethernet

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

AB Ethernet Driver	×
Ethernet Settings	
Driver Name	
1756ENET_1	
PLC IP Address or Hostname	
192.168.0.10	
Connect Timeout (ms)	
50	
OK Cancel Help	

- 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

Device Properties			×	
Name ANX				
Driver:				
1756ENET_1			-	
<u>PLC-5 Family</u>	PLC Node	0		
O SLC Enhanced				
C SLC/Micro Fami	y.	Timeout (ms)	3000	
C Control <u>L</u> ogix L55	i5x/CompactLogix	🔲 Import RS5000 CSV		
Simulate I/O (does not access the physical device)				
Enter a Timeout value (50-10000) ms.				
	01	Cancel	<u>H</u> elp	

- 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

Tag Properties			x
Name	Received	OK	
Description		Cancel	
File Element	N100:14	Help	
Data Type	VT_I2 · (INT/Word)		
	🗖 Array Elements 🛛		
Scaling			1
Enable	Settings		
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.

🞯 Untitled - OPC Server I	For Allen-Bradley N	etworks - 2 Hr D	emo Mode	2			
<u>File A</u> dd <u>E</u> dit <u>V</u> iew Lice	ense <u>H</u> elp <u>W</u> indows	CE					
	Name	Туре	Location	Processing	Value	Des	scription
		VT_I2	N100:14		24860		
	<u> </u>						
	Driver Name		Status		Sent	Recv	Packet/
	1756ENET_1 17	56_ENET To 19	. ONLINE		242	242	4
							- F
Ready				A	VX has 1 Tag	js	

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



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