

Cyberlogic DHX EthernetIP to DH Plus Communication

This document provides information to configure a Cyberlogic DHX software to communicate with a SLC5/04 on Data Highway Plus using an ANC-100e or ANC-120e.

Note: Before proceeding, make sure

- ✓ ANC-120e Driver is installed (Only if using ANC-120e)
- ✓ Network Adapter is correctly configured to access ANC-120e or ANC-100e
- ✓ ANC-120e is connected to the computer and DH+ network or ANC-100e is connected to the same Ethernet network or directly to your computer, and to the DH+ network.

For our example:

ANC-120e IP address = 192.168.137.2 SLC5/04 DH+ node = 03

1. Open the DHX driver configuration window and click on *New*

💐 DHX Driver	Configuration						
DHX Devices	CLX Devices DHX (ateway Server	Diagnostics				
DHX Devic	e Device Type		Device Descrip	tion			New
							Edit
							Delete
							More
			Close	C	ancel	Apply	Help

2. Select ControLogix Gateway from the drop down list.

HX Devices CL	X Devices DHX Gatew	y Server Diagnostics	
DHX Device	Device Type	Device Description	New
0	Unknown	•	
	Unknown Ethernet Wizard Ethernet DHX Ethernet DHX/CIP		Edit
	ControlLogix Gateway DHX Gateway 1784-KT Rev A 1784-KT Rev B 1784-KT2 1784-KT2		More
	1784-KTX 1784-PCMK 1784-PCMK Series B	-	

 On the ControlLogix Gateway configuration page, enter the CIP path as follows: IP_address_of_ANC-100e_or_ANC-120e, 1,1.A And click the "Apply" button.

ControlLogix Gateway Configuration	×						
Device Properties Driver Control							
CIP Path							
Enter the CIP Path up to the connection module and channel for the target network (for example: 1756-DHRIO in slot 2, Channel A: 192.168.0.1,1,2.A).							
192.168.137.2,1,1.A							
Close Cancel Apply Help							

4. You will be asked if you want to start the driver, click on YES.



5. Click OK to confirm that the driver has started.



6. Click on the "Diagnostics" tab

and DHX Driver Configuration							- • •		
Γ	DHX Devices	CLX Devices	DHX Gateway Se	rver	Diagnostics				
	DHX Device	e Device	Туре	(Device Descrip	otion			New
	0	ControlL	ogix Gateway	(ControlLogix G	ateway			
									Edit
									Delete
									More
					Close		Cancel	Apply	Help

7. Click on the DHX demo button.

💐 DHX Driver Configuration 🗖 🗉 🖾						
DHX Devices CLX Devices DHX Gateway Ser	ver Diagnostics					
Installed DHX Driver Modules	Troubleshooting Tools					
Module Name Version A	DHX Demo Used to validate the driver's operation.					
ControlLogix Gateway 8.1						
DHX Gateway Driver 8.1 -	Performance Monitor Visually presents the performance of DHX devices through various graphs.					
Product Name: DHX Driver Suite	Event Viewer Displays diagnostic messages from DHX driver products.					
Activation Status: Activated	Configuration Backup/Restore					
License Type: Expires August 17, 2016	Backup Saves the current settings for all DHX driver products to a file.					
Serial Number: None	Restore Restores previously saved DHX settings from a backup file.					
	Close Cancel Apply Help					

8. Enter "4" and press the "Enter" key to use the "Read selected Node" option to make a test

🙀 DHX Demo (x64)	- • •
Copyright (C) 1996-2012, Cyberlogic Technologies Inc. DHXAPI Demo/Diagnostics Program Version 1.15	
[1] Set Device Number: [0 dec] (ControlLogix Gateway)	
<pre>[2] Active Node List (WHO ACTIVE) [3] Active Nodes Poll [4] Read selected node [5] Unsolicited message read [6] Device Information [ESC] Exit Enter Selection ></pre>	
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 For "PLC Node Address" enter the DH+ Node Number of the PLC you want to read from and press "Enter"

For our example: it is Node 3

For "Offlink 1" and "Offlink2", just press enter to use default values

For "Register address", enter the address that you want to read, (by default N7:0) and press "Enter"

For "Register count" enter the number of values to read (by default 1) and press "Enter"

You will be required to select the correct PLC type. Enter the proper option and press "Enter"

<table-of-contents> DHX Demo (x64)</table-of-contents>			
PLC node address Offlink 1 (optional) Offlink 2 (optional) Register address Register count PLC type:	[001 oct] [None] [None] [n7:0] [1]	>3 > > >	
[1] PLC-3 [2] PLC-5 [3] SLC-500			
Enter Selection	[3]	>3	
			~

10. If you configured everything properly you should see the value stored on the register address. On our N7:0 we have a Value of 1616

