

PLC132 LAB 1.1: DEMO BOARD CONFIGURATION

Student Name: _____

Student ID: _____

LAB OUTCOMES:

1. Demonstrate the use of the PING command to verify a connection between a PC and, Ethernet Module
2. Demonstrate how to use IPConfig command to determine the IP Address of a Computer
3. Demonstrate how to connect to an Ethernet module using RSLinx
4. Demonstrate how to enter an I/O Configuration into a RSLogix5000 project

LAB PROCESS:

In part 1 you will use the command line on the computer to run two commands (PING and, IPCONFIG) to determine the IP network settings. You will then use RSLinx to determine the I/O configuration of the training unit. You will then use the collected setup information to create an accurate I/O configuration for a new project using RSLogix5000.

Part 1

1. Using IPConfig utility dertermine:
IP Address of Computer:
Subnet Mask of Computer:
Physical (MAC) Address of Computer:
2. Using RSLinx software – connect the computer to the Ethernet module on the ControlLogix Demo Board using TP cables

Verify Connection using ETHIP driver in RSLinx RSWho window
Match the IP Address scrolling across the 1756 Ethernet module's

display to the IP Address shown in RSLinx ETHIP driver.

192.168.101.59 shown in Figure 1-A

Expand the IP driver to view modules in demo board chassis

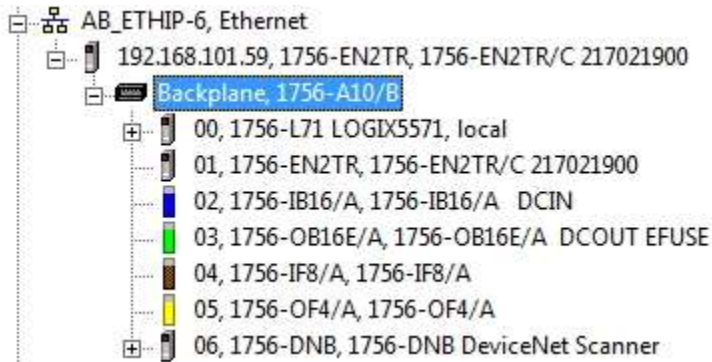


Figure 1 – A

RSLinx – ETHIP Driver

Note: Ask Instructor for assistance if there is no Ethernet connection

Configuring a 1756 Ethernet Module is covered in Module 2.

3. Use PING utility to verify connection between computer and ControlLogix Ethernet Module
4. From RSLinx determine the following information of the demo board hardware.

Chassis Part Number: _____

Slot Number	Module Part #	Module Revision #
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. Using Module 1 Lesson 2.0 – Getting Started Studio 5000.

Configure an I/O Configuration for the demo board hardware. Write a 1 Rung Project file is that SS7 Switch will turn ON PL 3 indicator light. Add documentation as shown in Figure 2 – A.



Figure 2-A

6. Save the Project File as Module1_Lab1.ACD
Save the Project File as Module1_Lab1.L5K
7. Download the Project File to the 1756-L71 processor on the demo board.
8. Verify Project file operation

The outcomes of this exercise (listed on page 1) specifies the skills that the Student must demonstrate to the Instructor. Once the Instructor is satisfied with the demonstration of Knowledge & Skills by the individual student, they will sign this document (for the student), then enter a 100% into the Hands-On Lab grade in Sakai.

I verify that this student has completed all of the requirements of this Hands-On Assessment:

Student Name: _____

Faculty Signature: _____ Date: _____

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