Toshiba ProtoNode Quick Install Manual

Multi-protocol client/server device

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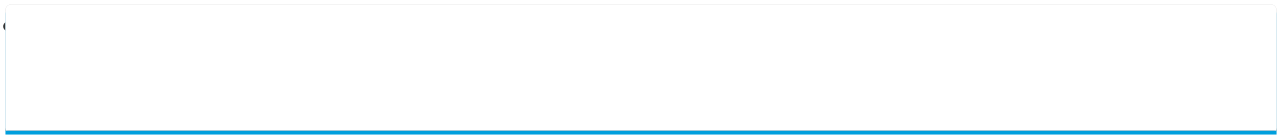

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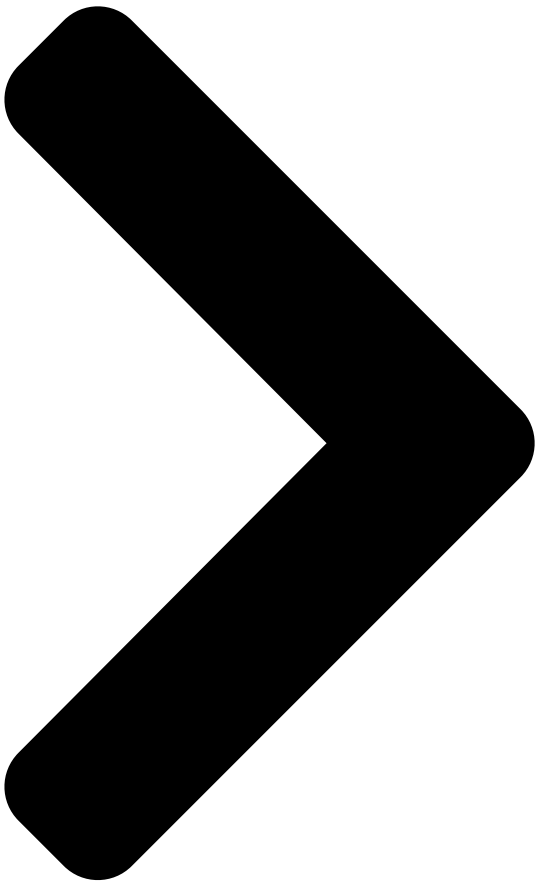

1.0 Introduction

ProtoNode is a multi-protocol client/server device that is reliable to network serial and Ethernet devices. The ProtoNode works with SNMP, MODBUS RTU (Serial), MODBUS TCP, BACnet IP, BACnet MSTP(Serial), EtherNet/IP and Metasys N2. This Quick Install Guide provides the necessary information to set up and use the ProtoNode as quickly as possible.

2.0 Package Components

1. Quick Install Guide
2. ProtoNode (Multi-Protocol Device Server)
3. One Cat5e direct Ethernet cable
4. One serial cable (Connection link between UPS and ProtoNode)
5. One power supply

3.0 Installing the ProtoNode

Step 1: Installation of the ProtoNode Hardware

Each ProtoNode has a unique serial number and MAC address located on the underside of the unit. These numbers should be recorded as they may be required for technical support.

Serial Number: _____

MAC Address: _____

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1. A DB-9 cable should be connected between the Serial 1 port on the ProtoNode and the serial port of the Toshiba UPS RS-232 port (See Figure 1). NOTE: for G8000 UPS use a straight serial cable. Use a gender changer if needed.
2. Connect one end of the Ethernet cable to the ProtoNode RJ45 port and the other end to your computer (switch or Hub) RJ45 port. NOTE: The ProtoNode Ethernet port automatically senses an uplink connection, and may therefore be connected to a PC or a hub/switch using either a crossover cable (not supplied) or a direct Ethernet cable (supplied).
3. Connect the 5-30 VDC power supply adapter to the terminal block in the back of the ProtoNode.

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Related Manuals for Toshiba ProtoNode

Gateway Toshiba T1-40 PLC Specification

Programmable controllers, protocol converters for toshiba plcs (4 pages)

Gateway Toshiba XLTR-200 Instruction Manual

Toshiba serial multiprotocol network gateway user's manual (99 pages)

Summary of Contents for Toshiba ProtoNode

Page 1 Use a gender changer if needed. 2. Connect one end of the Ethernet cable to the ProtoNode RJ45 port and the other end to your computer (switch or Hub) RJ45 port. NOTE: The ProtoNode Ethernet port automatically senses an uplink connection, and may therefore be connected to a PC or a hub/switch using either a crossover cable (not supplied) or a direct Ethernet cable (supplied).

Page 2 Step 3: Identification of the ProtoNode on the Network 1. Check that the IP netmask of the PC matches the ProtoNode. The default IP address of the ProtoNode is 192.168.1.168, and the default subnet mask is 255.255.255.0 (see Section 10.2 in Reference manual to change the IP settings).

Page 3 Check the Ethernet RJ45 port of the ProtoNode that the Activity LED is blinking (Amber or Green LED). • Ensure that the PC and ProtoNode are on the same IP Network, or assign a Static IP Address to the PC on the 192.168.1.0 IP network. •...

Page 4 RUI application and go to the main menu and follow these steps: 1. Type “I”, “Change IP Address”, in the main menu to change the IP address. 2. Type “1”, and then type the IP address desired for the ProtoNode and hit the <enter> key when finished.

Page 5 Firmware pcc6032 EtherNet/IP Table 1 1. Open and extract the ProtoNode firmware file (NLPN.BIN) and place it in the “Configuration File Folder”, by going to Start|Programs|FieldServerUtilities|Configuration File Folder. NOTE: Do not rename the “NLPN.BIN” file. 2. In the main menu of the Remote User Interface screen, type “d” to go to “Download configuration to FieldServer”...

Page 6 Start|Programs|FieldServerUtilities|Configuration File Folder. 2. From the main menu on RUI, type “d”, for the download configuration option. 3. Type “L” to specify the name and extension of the file to be sent to the ProtoNode (e.g. config-mod.csv). Hit <Enter> when done.

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