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Canoga Perkins recommends you label the cables with the circuit number or other identifier and the signal direction on optical cables (TX or RX).

Canoga Perkins recommends that you determine and record optical link attenuation and transmission power before starting normal link traffic. The fiber optic cable optical attenuation and Laser output power determine receive optical power level at the receiving device. Reductions in Laser power or increases in optical loss on the fiber optic cable can cause degraded performance and link outages. For details on link attenuation and Laser output power, see Chapter 4.

The LEDs on the front panel show the system and port status. The and LEDs display management status. Interface Module has two, three or six LEDs, actual number is dependant on Interface Module type.



During power-up, all LEDs on the 9145 and Interface Modules light amber. When start-up has complete, the LEDs on the 9145 display status is described in Table 1. Interface Modules display status is described in Table 2.

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## Book Descriptions:

# Canoga 9145 manual

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This design allows for a multitude of power and port options. The 9145E is available as a normal see Table 21 or hardened see Table 22 unit. In addition, both 9145Es come as Standard NID V2 engine, or as an Enhanced NID V1 engine units. This product may contain a laser diode emitter operating at a wavelength of 1300 nm 1600 nm. Use of optical instruments for example collimating optics with this product may increase eye hazard. Use of controls or adjustments or performing procedures other than those specified herein may result in hazardous radiation exposure. The drawings, specifications and information contained in this document are the property of Canoga Perkins and any unauthorized use or disclosure of such drawings, specifications and information is prohibited. Page 5 Table of Contents 9145 Network Interface Device User Manual.i Chapter 1 Overview.11 Management Security.12 Optional Features. Page 6 View Port Statistics. 353 Displaying the Static and Dynamic ARP Tables. 358 Chapter 4 Maintenance and Troubleshooting. 41 General Maintenance. Page 10 Management Security The 9145 supports enhanced security for access to Management Functions. Four network security protocols are supported SNMPv3, Remote Access Dial In User Security Radius, Secure Shell version 2 SSH2 and Secure File Transfer Protocol SFTP. You can set values and options within the software that will work with the security protocols on your network; for specific information, see the documentation for your implementation. Page 11 Chapter 2 Setup and Installation This section describes how to set up and install the 9145 and its interface modules. Before setting up the 9145, make sure a 9 pin RS232 cable is available required to connect the 9145's Management Port to a VT100 type terminal or PC for setup and configuration. Installing the 9145 The 9145 is tested and inspected before shipment from the factory. If there is obvious damage to the shipping container, contact the carrier immediately.<http://www.newgo.ru/media/dlc-10s-manual.xml>

- canoga perkins 9145 manual, 1.0, canoga perkins 9145 manual.

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The 9145 requires 1" unobstructed space above and below the 9145 for ventilation. Leave clearance on the sides 1", front 5" and rear 3" for ventilation and to facilitate Interface Module Access, Cable Access and Power Entry. 3. Insert Interface Modules a. Determine which Interface Modules are for the Extension EXT and User USR Ports. b. Insert a module into the appropriate slot and push firmly on the center of the front panel. The DC Power Terminal Block is removable for ease of installation and replacement. Page 17 8. Connecting Ethernet Cables to UTP Interface Modules Plug the shielded Ethernet Cable into the UTP Connector on the Interface Module. Be sure the locking tab properly seats. If the locking tab is broken or missing, replace the cable. The Rx LED is off, and an alarm flags the link loss on the optical port. When a optical port receives a Remote Fault signal, the Rx LED lights red and an alarm flags the remote side optical link failure. RMTF complies with the IEEE802. Page 20 Page 21 Chapter 3 Management The 9145 has three basic management interfaces, VT100 terminal interface on the RS232 serial port and Telnet, SideBand Management Channel when connected to another 9145, a L351 Ethernet Service Unit, or a L357 Ethernet Service Unit and SNMP. Telnet and SNMP access to the 9145 is configurable to use either the user data stream inband or from the RS232 serial port when it is configured for PPP or SLIP operation. Page 22 Setting Up SNMP Network Management Typically, the 9145 communicates with CanogaView or your Network Management Platform inband via the transported Ethernet Network. Network Management Platform Setup Industry standard Management Information Bases MIBs are required on your Network Management Platform in order to successfully communication with the 9145 using SNMP. You can access the screens directly by connecting to the serial port of the 9145 or using Telnet. <http://cresson-voyages.com/userfiles/dld-by-morris-mano-3rd-edition-solution-manual-pdf.xml>

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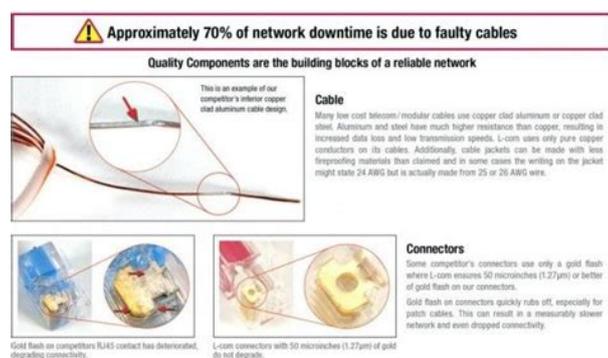


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General Screen Format A typical screen, shown in Figure 18, includes standard descriptions and reference designations. Use this and other screens to configure the system, set operational parameters, and verify the system status. All screens use a common method for navigation. Type your Username and press. The Password prompt will then appear. Type your Password and press. If the Username or Password was incorrect, you will return to the Username Prompt. Default Username and Password for the 9145 is admin and admin lower case. Canoga Perkins strongly recommends you change the Default Username and Password during your initial configuration session. Canoga Perkins Corp. Enter the Management IP Address in this field. When NPA Option is active, this screen also configures the Test IP Address fields. Please see NPA Manual for details on Test IP Address configuration. 2. Page 28 Diagnostics Used to set up loopback, latency and jitter, or PING tests and to configure and run Network Performance Assurance optional software. Loopback Setup This initiates and configures the 9145 for loopback diagnostics. Packets are loop backed based on MAC address of the 9145. The maximum packet size must be greater than or equal to the minimum packet size. 11. Test Packet Timeout sec The packet timeout for this test in seconds. If a response is not received by the packet timeout value, the packet will be classified as dropped. This screen displays current RMON statistics. System Alarms Displays current conditions for local and remote alarms System Log Displays all system events Utilities Setup and display basic information. Page 31 Software Upgrade Allows you to download and install new firmware, swap active firmware banks, reset active firmware. Manage Logged in Users View current users logged in to the NID and allows the Administrator to force off user sessions when needed. 802.3AH OAM The OAM work of the 802.

3ah addresses three key operational issues when deploying Ethernet between locations Link Monitoring, Fault Signaling and Remote Loopback. Page 32 Link Fault Event occurs when the local PHY receiver detects a LOC condition. Dying Gasp Event occurs when a power supply failure has occurred. Critical Event occurs when a software reset is invoked. A hard reset does not generate a Critical Event since it resets the processor as soon as it is asserted. Logout Terminates your current session. If this was a Telnet Session, it also drops the Telnet connection. Page 33 CfgFileUserComments is a string of 50 characters that the user may set to any string desired. This variable contains information relevant to the user. You can use any text editor such as Notepad1 or

WordPad2 to edit the configuration file. Please see Appendix C for an example format and the different fields of a configuration file. You can also view similar information for the remote unit. Exact parameters depend on the specific remote unit. Use this information when troubleshooting, such as tracking down an error in a data link or the configuration. To view the Hardware Information screen, follow these steps 1. Page 40 Manage the Date and Time An accurate date and time in the 9145 assures accuracy for events listed in the System Log and for traps and alarms sent to the system administrator. Range is 1 to 255 with 1 the highest priority and 255 the lowest. Default is disabled, which allows access to all hosts 3. To return to the Main Menu, press. Page 44 Manage Traps Traps are SNMP messages that are sent to CanogaView or your Management Platform, and the 9145 System Log. Use the Trap Configuration Menu to view the current configuration and to enable or disable traps. Ethernet Network Interface Device 29Nov2006 Model 91455 V05. The log lists items in reverse chronological order. As events fill the System Log, older events drop off to make room for new events.



<http://www.raumboerse-luzern.ch/mieten/3s-fe-engine-repair-manual>

Event Types include System, which involves systemlevel resources; Trap, also reported to the Network Manager; and Security, which shows security information and violations. Resetting the 9145 and swapping banks does not affect operation and is transparent to user traffic. Page 48 To upgrade 9145 software, follow these steps 1. Access the SNMP Configuration Menu before starting the software upgrade enter the IP Address, Subnet Mask, and Default Gateway for the 9145. To run the new software, swap banks, and reset the module. Page 51 Configuring Access Security The 9145 has comprehensive management access security features, including SNMPv3 authorization, RADIUS, configurable password formatting and user access controls. Typically, you must have supervisor access to configure and manage security for the 9145. You can also update or delete usernames or permissions. Setting certain values for some parameters, such as SNMPv3 Authentication and Privacy Protocols, determine or limit which values you can set for other parameters. Passwords are 8 to 15 characters in length. 6. UI Password Expires Configures if Passwords expire and require replacement, Yes or No. UI Password Expires in days If UI Password Expire is set to Yes, this configures how long the Password is valid. Duration setting from 0 never to 365 days. A setting of 0 is equal to UI Password Expire is set to No 7. Page 55 Configuring Host Access The 9145's SNMP Agent allows access by up to 24 Host IP addresses. Configuration and editing the Host information Table is by the Host Access Table Menu. The 9145 uses four vendorspecific attributes, type 25 in the Radius RFC. Page 59 Syslog Client Configuration You can configure and display two server destinations for Syslog messages. In addition to setting the host address and port, you can set the server mask for the notification. Page 60 Trap Destination Configuration You can configure and display the destinations for Trap messages.

<http://arredomilano.com/images/brookstone-tv-remote-manual.pdf>

**Model 2370  
High-Speed Universal  
Fiber Optic Modem  
User Manual**

In addition to setting the host address and port, you can set the security level for the notification, then set values for various security related parameters. Up to 10 characters Engine ID Enter the SNMP Engine ID at the destination. 64 Hex characters. Authentication Protocol Notification authentication. Option are MD5, SHA, or None. Page 63 Changing Your Password Whether you have supervisor, operator, or observer access, you can update your password in order to maintain system security. You cannot change the password for any other users. Page 64 Managing Logged In Users At times, you may need to monitor which users are currently logged in to the 9145 and, if needed, force off specific sessions requires supervisor access. The Manage Logged In Users screen shows current users by session number. This screen also displays data speed and duplex settings for the local 9145 and the remote 9145, L351 or L357. If the remote device is an L351 or L357, you can configure that device. For details, see the user manual for the L351 or L357. When enabled, pressing L verifications SBMC connectivity with the remote unit. 8. Remote Configuration Displays Functional Configuration of SBMC connected remote 9145, L351 or L357. 4. To return to the Main Menu, press. Check Port and Link Status The Port Information screen shows the current conditions for the 9145 ports. Page 68 Configuring VLAN Rules, Priority, and Translation The VLAN Configuration Menu provide options to configure user traffic VLAN tagging parameters on User and Extension ports. Canoga Perkins Corp. Page 69 1. 2. 3. 4. 5. 6. 7. 8. 9. Drop Untagged Packets. The 9145 will discard all user traffic that does not have a VLAN Tag. Yes discards packets, No does not. Drop Packets with VLAN Tag not matching VLAN Tag A The 9145 discards all user traffic that does not have a VLAN Tag matching to VLAN Tag A menu item 7. Remove outermost VLAN Tag. Removes the outermost VLAN Tag. Takes no action on untagged packets.

<https://gitagast.com/images/brookstone-universal-jumbo-remote-manual.pdf>



Yes removes outermost tag, No does not. Page 70 The 9145 can change VLAN Tag IDs on user packets. This is useful to avoid VLAN ID conflicts in the network. The 9145 can translate up to 8 VLAN IDs. Ethernet Network Interface Device 04Dec2006 Model 91455 V96. The Layer 2 Statistics Screen appears. The RMON Group 1 Statistics Screen displays. The Dynamic ARP table displays learned IP and MAC addresses and allows deletion of specific address from the Table. Address are displayed by the 9145 port User for Extension that the Address is received. Damaged fiber cables and dirty connectors are a common source of signal loss or attenuation. Single mode and multimode fiber optics are especially sensitive to contamination. Inspect, clean, and test all components to maintain optimum performance. Page 82 Measuring Transmitter Output Power To measure the output power, follow these steps 1. Clean the connectors on the fiber optic test cable, then plug it in to the Tx connector on the 9145. 2. Warm up each component for at least 30 minutes. 3. Set the optical power meter to the proper wavelength. 4. Wait two or three minutes for the power reading to stabilize, and then read the output power. 5. Page 83 Measuring Fiber Link Attenuation Determine and record link attenuation before starting normal link traffic. Link attenuation identifies potential problems with links that are on the threshold of receiver sensitivity. Measure optical fiber links at the shortest wavelength of operation to determine the limiting factor in the loss budget. Each device that transmits to an 9145 has a loss budget that is specified by the manufacturer and recorded on a data sheet provided with the equipment. Page 84 Use the System Alarms Screen to view alarms and faults on the 9145 and its remote partner. The System Alarms Screen appears. 2. When you finish checking the Alarm status, press to return to the Main Menu.

New Installation On new installations, make sure that all steps in Chapter 2 are complete, then follow these steps 1. Check that the STA LED is green. 2. Page 85 Running Diagnostics When you set up a new connection, you can verify the link connectivity using PING prior to sending data. Latency and Jitter Test verifies quality of the link. Results reported include the numbers of packets that completed a round trip or were lost and the minimums, average, and maximums for latency and jitter. Page 86 6. DSCP Precedent Sets IP Packet priority. Options are Best Effort, Class 1, Class 2, Class 3, Class 4, Internet Control, Network Control, Not Used. Pressing cycles through the options. Press to select option. Drop Probability Sets IP packet Discard Priority. Options are Low, Medium, High, not used 7. Test Packet Priority Sets VLAN frame priority. 0 to 7 8. Test Duration minsec Test duration in minutes and seconds, 0 for a continuous test 9. Min Test Packet Size Sets minimum packet size. Page 87 PING Testing To verify network connectivity with another IP device such as another 9145, an Ethernet Switch, or a user host, you can use the 9145 to send a PING to the IP address for that device. Data is not sent out the remote User Port Tx and incoming data on the remote User Port Rx is ignored. See Figure 21. To set this mode, set the Loopback State for the Local Module to Remote. Page 90 accessing the Loopback Setup Screen, see Chapter 4. When in loopback mode, the 9145 filters the incoming packets to identify test packets identified by the MAC address. The 9145 is configurable to swap the origination and destination MAC Addresses and to Recalculate the looped frame's CRC. Test packets are returned to the source according to the

selected options. Use the Loopback Setup Menu to display current loopback status, initiate loopbacks, and configure Address Swapping and CRC Recalculation options. This warranty covers the original user only and is not transferable.

<https://penoplex24.ru/wp-content/plugins/formcraft/file-upload/server/content/files/16270233f6c99e--boss-dr-5-instruction-manual.pdf>

Page 96 Limitations Canoga Perkins may at its sole discretion modify its Limited Warranty at any time and from time to time. Other than those expressly stated herein, THERE ARE NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, AND SPECIFICALLY EXCLUDED BUT NOT BY WAY OF LIMITATION, ARE THE IMPLIED WARRANTIES FOR FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY. Page 3 9145ELB NID Hardware User's Manual CAUTION. This product may contain a laser diode emitter operating at a wavelength of 850 nm 1610 nm. Under normal conditions, the radiation levels emitted by this product are under the Class 1 limits in 21 CFR Chapter 1, Subchapter J. Page 4 9145ELB NID Hardware User's Manual General Safety Considerations Installation The 9145ELB is suitable for installation in network telecommunication facilities and locations where the National Electric Code NEC applies. Page 5 9145ELB NID Hardware User's Manual Nominal 48 VDC 24 VDC Minimum 40 VDC 20 VDC Maximum 56.5 VDC 28.3 VDC The 9145ELB AC and DC units do not incorporate a disconnect device. The plug on the power supply cord is intended to serve as the disconnect device. It is also recommended that the AC socketoutlet be installed near the equipment, in an easily accessible location. The 9145ELB DC models are configured for a DCI, Isolated DC return. Fuses The 9145ELB is equipped with internal fuses. Page 6 9145ELB NID Hardware User's Manual Lightning Protection The intrabuilding ports of the 9145ELB are suitable for connection to intrabuilding or unexposed wiring or cabling only. The intrabuilding ports of the equipment or subassembly MUST NOT be metallicly connected to interfaces that connect to the OSP or its wiring. These interfaces are designed for use as intrabuilding interfaces only Type 2 or Type 4 ports as described in GR1089CORE and require isolation from the exposed OSP cabling.

<https://ampgrenaille.com/share/files/boss-ce5-manual.pdf>

Page 7 9145ELB NID Hardware User's Manual Aux utilisateurs des appareils numerique au Canada Cet appareil numerique de la classe A respecte toutes les exigences du reglement sur le material brouilleur du Canada. Special Accessories The 9145ELB does not require any special accessories to achieve compliance for emission and immunity criteria. Page 8 9145ELB NID Hardware User's Manual vi Page 9 145ELB NID Hardware User's Manual Preface About this Manual This manual contains information and procedures required to install, operate, troubleshoot, and maintain the 9145ELB Network Interface Device. Page 10 9145ELB NID Hardware User's Manual Contacting Technical Support Contact Canoga Perkins technical support 18003606642, or your 9145ELB support supplier, for hardware and software support, including product repairs and part ordering. Page 11 9145ELB NID Hardware User's Manual Contents Chapter 1. Introduction. 1 Product Description. 1 9145ELB Specifications. 1 Physical Characteristics. Page 12 9145ELB NID Hardware User's Manual AC Power Supply Module. 11 48 VDC Power Supply Module. 11 24 VDC Power Supply Module. 12 Reset Button. Page 13 9145ELB NID Hardware User's Manual Setting Up the VT100 Terminal. 25 Chapter 5. Troubleshooting. 27 Optical Power Loss. 27 Fault Conditions. It is typically installed in customer premises at the user network interface UNI to provide demarcation between the customer and the service provider network. All modules, that is, the Network Port modules, fan and power modules, are hot swappable. A grounding lug is located on the back panel. Page 20 9145ELB NID Hardware User's Manual Functional Description Front Panel Figure 23 Model number 9145ELBB83M0 Table 21 9145ELB Base Unit Model Numbers and Configuration Model Number Extended Description 9145ELBB81M0 9145ELB, 16 User Ports, Local Ethernet Management Port, Console Port, Requires Fan Module, Power Supplies, and Network Port Module.

9145ELBB82M0 9145ELB, 16 SFP User Ports, Local Ethernet Management Port, Console Port, Requires Fan Module, Power Supplies, and Network Port Module. Figure 25 Dual 10G Optical Ethernet Module 2.2. Page 23 Functional Description 9145ELB NID Hardware User's Manual Front Panel Figure 26 Console Port Pinouts 9 Page 24 9145ELB NID Hardware User's Manual Functional Description Front Panel 2.2.5 Fan Module A hot swappable fan module is located on the front right of the 9145ELB base unit. The fan exhaust is located on the right side of the base unit. Air intake vents are located on the left side. The 9145ELB will remain within normal operating temperature for a maximum of 1 minute while the fan tray is swapped by a field technician. The AC power cord is supplied with the unit. Page 26 9145ELB NID Hardware User's Manual Functional Description Front Panel 2.2.6.3 24 VDC Power Supply Module The 24 VDC Power Supply Module is equipped with a three terminal receptacle on the front panel. A DC terminal block is supplied with the unit. Figure 210 24 VDC Power Supply Module 2.2.7 Reset Button Reset can be initiated from the front panel reset button or from a terminal/console port session. Reset can be used to initiate file downloads and other software functions such as clearing certain logs. Page 27 Installation 9145ELB NID Hardware User's Manual 9145ELB Installation Procedures Chapter 3 Installation 3.1 9145ELB Installation Procedures This section describes how to unpack, install, and set up the 9145ELB. Before set up, ensure that an 8pin cable is available to connect the 9145ELBs console port to a VT100 type terminal or PC for setup and configuration. Keep the shipping container and all packing materials until the unit is installed and fully operational. Rack mounting kits Table 31 are available. Each rack mount kit contains the brackets necessary for installing the 9145ELB Figure 31, as well as the mounting hardware required to attach the brackets to the units.

Page 29 Installation 9145ELB NID Hardware User's Manual Installing the SFP Module Figure 32 Installing the Rack Mount Kit 3.3.2 Horizontal Flat Surface Mounting The 9145ELB requires at least one inch of unobstructed space around the perimeter for ventilation. Canoga Perkins recommends a space of 3 to 5 inches be left unobstructed to allow for SFP module access, cable access, and power connections. Page 30 9145ELB NID Hardware User's Manual Installation Installing the Fan Module Figure 33 SFP Modules 3.5 Installing the Fan Module Follow these steps to install the fan module Figure 34 1. Remove the fan module from its packaging. 2. Carefully insert the replacement fan module into the slot, being sure to align the module so it slides along the guide rails and mates securely with the backplane. 3. Screw in the thumb screw to secure the fan module to the enclosure. Page 31 Installation 9145ELB NID Hardware User's Manual Installing a Power Supply Module 3.6 Installing a Power Supply Module Follow these steps to install the power supply module Figure 35 1. Remove the power supply module from its packaging. 2. Carefully insert the module into the slot, being sure to align the module so it slides along the guide rails and mates securely with the backplane. 3. Screw in the thumb screw to secure the power supply module to the enclosure. Plug the AC power cord into the socket at the front of the 9145ELB and plug the other end of the AC power cord into a convenient AC outlet. 3.8. Page 33 Installation 9145ELB NID Hardware User's Manual Connecting the Electrical Power Figure 37 DC Power Leads The 9145ELB is shipped with a compatible DC Power terminal block. During powerup, all LEDs on the 9145ELB will light amber. When powerup has been completed, the LEDs will display status as described in the following paragraphs. For Port locations, see Figure 24.

Page 36 9145ELB NID Hardware User's Manual Operation Port Default Settings Additional information about fault conditions appears in the System Alarms and System Status and Configuration screens see the 9145ELB NID Software User's Manual. The power and status LEDs, located to the right of the EIA232 console port, indicate condition and state of the 9145ELB. Indications apply to both the SFP and UTP LEDs. Page 39 Operation 9145ELB NID Hardware User's Manual Interface Management Table 44. Page 40 9145ELB NID Hardware User's Manual Operation Setting Up the VT100 Terminal NOTE The Microsoft Vista operating system does not include HyperTerminal. If your terminal interface computer uses Windows Vista, you will need to use a

different terminal emulation program. A New Connection HyperTerminal window will open. 2. Page 41 Troubleshooting 9145ELB NID Hardware User's Manual Optical Power Loss Chapter 5 Troubleshooting This chapter describes fault conditions and how to determine corrective action. The front panel LEDs provide both normal and fault information. For PING testing instructions, see the 9145ELB NID Software User's Manual. 5.4 Loopback Diagnostics Use Loopbacks to diagnose a fault on the optical link. Page 44 9145ELB NID Hardware User's Manual Troubleshooting Troubleshooting the Dual 10G Optical Ethernet Module 30 Page 45 Maintenance 9145ELB NID Hardware User's Manual General Maintenance Chapter 6 Maintenance 6.1 General Maintenance Well maintained components and clearly identified cables help assure optimum system operation. Damaged fiber optic cables and dirty connectors are a common source of signal loss or attenuation. Fiber optics are especially susceptible to contamination. Inspect the surface of the fiber optic ferrules and clean as required. Page 46 9145ELB NID Hardware User's Manual Maintenance Checking Optical Power Levels 3.

Connect the other end of the optic test cable to the optical power meter Figure 61, wait two or three minutes for the power reading to stabilize, and read the output power. 4. Add the test cable loss, then record the power level and compare it to the value on the performance sheet that was included for that transceiver. The power level must be lower than the saturation level. If not, contact Canoga Perkins Technical Support. Follow these steps to replace a Dual 10G Optical Ethernet Module 1. Follow proper ESD procedures and ensure that you have grounded yourself to a common ground point in the equipment rack i.e., through a wrist strap or other grounding device. 2. Page 49 Maintenance 9145ELB NID Hardware User's Manual Replacing a Power Supply Module 6.5 Replacing a Power Supply Module CAUTION Unplug the power before removing power supply modules. To replace a power supply module, follow these steps 1. Follow proper ESD procedures and ensure that you have grounded yourself to a common ground point in the equipment rack i.e., through a wrist strap or other grounding device. 2. Remove the terminal block for DC models or power cord for AC models. Discover everything Scribd has to offer, including books and audiobooks from major publishers. Start Free Trial Cancel anytime. Report this Document Download Now save Save canoga 9145 For Later 0 ratings 0% found this document useful 0 votes 39 views 2 pages canoga 9145 Uploaded by Kent Uy Bienes Description canoga 9145 Full description save Save canoga 9145 For Later 0% 0% found this document useful, Mark this document as useful 0% 0% found this document not useful, Mark this document as not useful Embed Share Print Download Now Jump to Page You are on page 1 of 2 Search inside document Browse Books Site Directory Site Language English Change Language English Change Language. This document provides instructions for installation and initial configuration of the Canoga. Perkins model 9145 NID Network Interface Device.

Parts ListTools RequiredStep 1 Unpacking. Unpack the 9145 and check the unit for damage. If the unit is damaged, contact Canoga Perkins'. Tech Support line, 800 3606642, and ask for an RMA. Step 2 Module Insertion. It is very likely that the USB and EXT ports are already occupied by the correct interfaces for theHowever, if the interfaces are ordered separately, follow the nextThe module should slide intoTighten theCanoga Perkins Corporation, 20600 Prairie Street, Chatsworth, CA 913116008. Phone 818 7186300, FAX 818 7186312 www.canoga.com. Page 1 of 8. Figure 2. Optical module insertion in the EXT port. Step 3 Rackmount Installation. To mount the 9145 in a rack, carefully remove the four rubber feet located under the NID using aInstall the rack mount ears using the screws provided in the kit onto theFigure 3. Rackmount ear installed. When mounting the unit in a rack, be sure to accommodate at least 1RU, 1.75", of space in theSee Figure 4. Figure 4. 9145 installed in a rack. Canoga Perkins Corporation, 20600 Prairie Street, Chatsworth, CA 913116008. Page 2 of 8. Step 4 Applying Power. For AC powered NIDs, power up the device by inserting the provided power cord to an ACFor DC powered NIDs, if a 48VDC power source is used, connect the grounding strap betweenAll LEDs in the front will flash amber andFigure 5. DC power

entry in the rear of the NID. Step 5 Management Access. To access the user interface of the NID, a VT100 session must be created through HyperTerminalConnect a DB9 EIA232, straight cable from your PC orAccess HyperTerminalFigure 6. Accessing HyperTerminal. Page 3 of 8. Assign an icon and a name for the session. Figure 7. Connection Properties. After a name and icon is assigned, the COM port properties menu will appear. Configure theBits per second 9600bps. Data bits 8. Parity None. Stop bits 1. Flow control None. If the HyperTerminal screen is scrolling up, make sure that "Terminal Emulation" in the. Properties menu is set to VT100.

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