d i g i t a l ™

DECswitch 900ET Release Notes
Firmware Version 1.0
March 1996

These release notes contain firmware and software requirements, and list known conditions and restrictions that apply to the operation of the DECswitch 900ET Version 1.0 (also referred to in this document as the module).

Contents

Requirements

The following sections list requirements for the DECswitch 900ET.

Firmware

When you are configuring the DECswitch 900ET module in a DEChub 900 MultiSwitch, ensure that the DEChub 900 MultiSwitch firmware version is V4.1.1 or higher.

Software

If you are using clearVISN to manage the module, you must install clearVISN MultiChassis Manager software version V1.0 or higher.

Known Conditions and Restrictions

The following conditions and restrictions apply to the DECswitch 900ET module.

LEDs

The only LEDs that are valid after power-up on a non-configured module are the Power-OK and Module OK LEDs. All other LEDs remain invalid until after the Setup operation has been performed using menus. The minimum Setup must include an IP configuration.

IP Configuration

During the Setup operation, the IP Configuration menu allows 3 IP Addresses to be set. Port 1 corresponds to Token Ring Port 0 (TKR/0), Port 2 corresponds to Token Ring Port 1 (TKR/1), and Port 3 corresponds to the Ethernet port ETH/0.

LAN Connections in a DEChub 900

Ethernet

When the module is installed in a DEChub 900 the Ethernet port is directed out the front panel. During the configuration process the connection can be set to AUI, 10BaseT or Autoconfig. If the connection is set to AUI, only the AUI connector can be used. If the connection is set to 10BaseT, only the 10BaseT connector can be used. If the connection is set to Autoconfig, the module will automatically choose the connector that has a cable connected to it.

The only way to direct the Ethernet out the back, and to connect to either the DEChub 900 ThinWire or the DEChub900 Flexchannel LAN is to use the clearVISN MultiChassis Manager application.

Token Ring

When the module is installed in a DEChub 900, the Token Ring 0 port can be directed out the front or the back during the configuration process. If the Token Ring 0 port is directed out the front, either the UTP or the STP connector can be used. If the Token Ring 0 port is directed out the back, the connection will be made to the ring in the DEChub 900 that matches the speed that was specified during the configuration process. By default, the DEChub900 has Ring A set to 16 MPS and Ring B set to 4 MPS.

Token Ring 1 (TKR/1) can only be directed out the front.

The clearVISN MultiChassis Manager can be used to change the speed of the DEChub 900 rings and to connect and disconnect the DECswitch 900ET from the DEChub 900 rings.

LAN Connections in a DEChub ONE

When the module is installed in a DEChub One, all connections are made to the front of the module. The AUI connector on the rear of the DEChub ONE is not used.

Configuring the DECswitch 900ET in a DEChub 900

You must use the installation menu on the setup port in the DEChub 900 to redirect the terminal to the slot in which the DECswitch 900 ET is installed. Then you must use the DECswitch 900 ET installation menu to prepare the module for configuration. This consists of assigning an IP address, subnet mask, gateway address and an SNMP community string to the module. Then you must access the module via Telnet using the module's IP address in order to gain access to the DECswitch 900 ET configuration process console.

The DECswitch 900 ET does not function as an IP-services module for the DEChub 900 management agent, when the DECswitch 900 ET is configured as a bridge only with TCP/IP host services enabled.

Configuring the DECswitch 900ET in a DEChub ONE

You must use the setup port of the DEChub ONE to gain access to the DECswitch 900 ET installation menu. You have two options:

1. Use the Go to Local Console menu command to gain access to the DECswitch 900 ET configuration process console locally.

2. Use the installation menu to set an IP Address, Subnet Mask, Gateway address and SNMP community string. Then Telnet to access the IP address setup in order to gain access to the DECswitch 900 ET configuration process console.

Protocols

AppleTalk 2	Routes with multiple zones assigned to an interface (zone1, zone2, zone3) are displayed backwards on the adjacent router (zone3, zone2, zone1) using the dump command under `AP2>`.
EGP	EGP does not interoperate between Bay Networks routers and the DECswitch 900 ET.

Boot Configuration

If two boot entries are configured, only the first entry is used.

The TFTP Boot/dump configuration interface IP address is not used when loading the DECswitch 900 ET using the RELOAD command.

The DECswitch will use the IP address the was configured using Qconfig (or T 6; prot ip; add address).

OBM Access

To use Telnet for out-of-band access to the module via the DEChub ONE or the DEChub 900 OBM port, you must perform the following steps.

Step	Action
1	Configure the OBM IP address via setup menu or command line interface.
2	Initialize the router IP protocol by either:
	a. Assigning IP addresses to the DECswitch 900ET module interfaces
	or
	b. Enabling bridging and configuring HST IP address of the module

Loading Software from CD ROM

The V1.0 Software CD-ROM contains the DECswitch 900ET (IP or Multiprotocol) software image. Your DECswitch 900 ET comes preloaded with V1.0 software. However, in the unlikely event that the integrity of the preloaded V1.0 software image is compromised, you can download the software image found on the CD-ROM to the DECswitch 900 ET module.

Operational Software

If the DECswitch 900 ET Router software is operational, you can use following procedure to reload the software image.

Step	Action
1	Copy the DECswitch 900 ET software image to a TFTP area.
2	From the DECswitch 900 ET console interface, select the Gateway User Configuration process (**talk 6**).
3	Enter the **boot** command to access the TFTP Boot/dump configuration interface. Perform one of the following operations: a. Define a boot file location using the **add boot** command and reload using the MOS command **reload**. b. Reload interactively using the **load remote** command.

Non-operational Software

If the DECswitch 900 ET Router software is not operational, the boot prom interface can be used to reload the DECswitch software image. The boot prom interface is only available when the DECswitch 900 ET is installed in a DEChub One. In this case, use the following procedure to load the software:

Step	Action
1	Copy the DECswitch software image to a TFTP area.
2	Connect a terminal to the setup port, cycle the power and wait for the self-test to finish.
3	After the unit finishes its self-test a message will appear on the terminal announcing the boot code is operational. You must press the Return key within 5 seconds to prevent the operational code from being booted.
4	At the boot prom console interface (>), enter one of the following commands:

B Boot using stored configuration. Configuration information was entered at the TFTP Boot/dump configuration interface. You may display the current setting using the **UB** command.

BM Boot using console queries.

BP Boot using BOOTP. You must copy the software image to your loadhost TFTP area. You must setup your loadhost to honor BOOTP requests from your DECswitch 900 ET module. This task is operating system specific. In the case of Unix systems, this involves adding an entry into the **/etc/bootptab** file. Other operating systems may differ.

Accessing the Digital NPB Home Page on the Web

The Network Products Business (NPB) Unit has established the Digital NPB Home Page on the World Wide Web. Web addresses are:

Digital USA: **http://www.networks.digital.com**

Europe: **http://www.networks.europe.digital.com**

Australia: **http://www.digital.com.au/networks**

To access the DECswitch 900ET Release Note Addendum, select the following six items in the order specified.

1. **Products & Technology**

2. **Technical Data**

3. **Hub Products**

4. **Brouters and Routers**

5. **Technical Tips & Notes**

6. **DECswitch 900ET Release Notes Addendum**

If you are not yet connected to the Web, you can access the same information through NPB's Bulletin Board System (BBS). All you need is a PC and a modem. Set your modem to 8 bits, no parity, 1 stop bit. Dial 508-486-5777 (U.S.A.)

Digital prides itself on responding to customer needs. To continue serving you, we need your comments. If you find errors in a document or want to make comments, please FAX your comments to us at 508-486-6093 or E-mail comments to doc_quality@lkg.mts.dec.com.

Thank you for choosing Digital.