



DIGITAL ATM Virtual Path Modular PHY Card Firmware Version 2.5 March 1997

This document describes the capabilities of the DIGITAL ATM virtual path (VP) modular PHY (modPHY) card (DAGVP-AA). The ATM VP modPHY card is used with the ATM 4-port modular line card (DAGGL-BA) and GIGAswitch/ATM firmware to provide wide-area networking features for the GIGAswitch/ATM systems. Refer to the firmware release notes for the latest information about these features.

Introduction

The ATM VP modPHY card allows the DAGGL-BA line card to operate as a single wide-area network (WAN) port. In this mode, the WAN port terminates up to three virtual path connections (VPCs) that support a mesh of VP tunnels among remote sites. The VPC terminations support VP-level traffic shaping that allows bursty traffic to be routed through Constant Bit Rate (CBR) or Variable Bit Rate (VBR) VPs without any congestion losses across the WAN. VPI 0 is also supported in VP mode.

Installing the VP modPHY Card

To install the ATM VP modPHY card, perform these steps:

- 1 Remove any other ATM modPHY card or option slot cover from port 4 of the DAGGL-BA line card.

NOTE

Ports 2 and 3 should not contain any modPHY cards.

- 2 Hold the ATM VP modPHY card by the edges and position it so that it is parallel with the slot opening.
- 3 Insert the ATM VP modPHY card into port 4 of the DAGGL-BA line card by aligning the sides of the modPHY card with the card guide.
- 4 Push the modPHY card into the slot until the bulkhead is flush with the handle.
- 5 Fasten the modPHY card to the system with the two captive screws.

Configuring Line Cards In VP Mode

Any DAGGL-BA line card can be configured to run in VP mode. Use the `switch -slot` command to configure and display VP mode parameters. Any changes to the VP mode configuration do not take effect until after a switch reboot. VP mode settings for unoccupied slots or other line cards will be ignored and flagged as an error during initialization. Refer to the firmware release notes for more information about these commands.

Configuring Virtual Paths

Use the `pvp` command to create, delete, display, and modify VPs. The `pvc` command is used to create and delete virtual circuits (VCs) within a specific virtual path. Refer to the firmware release notes for more information about these commands.

Accessing Online Information

Further information about this network product or topic is available on the Network Product Business Web Site and Bulletin Board System. Both systems maintain a common, rich set of up-to-date information about DIGITAL networking products, technologies, and programs.

Network Product Business Web Site

The Web Site can be reached at geographic locations via the following URLs:

Americas Network Product Business Home Page	http://www.networks.digital.com/
Europe Network Product Business Home Page	http://www.networks.europe.digital.com/
Australia Network Product Business Home Page	http://www.digital.com.au/networks/
Digital Equipment Corporation Home Page	http://www.digital.com/

To get firmware and MIB information, please choose the “Technical Information” link, and from there choose the “Technical Information (Drivers, Manuals, Tech Tips, etc.)” link.

Network Product Business Bulletin Board System

To connect to the Network Product Business Bulletin Board System, you need a PC and a modem. Dial 508-486-5777 (U.S.A.). Set your modem to 8 bits, no parity, 1 stop bit.

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