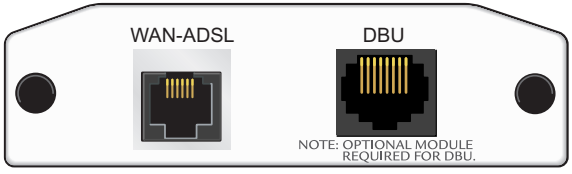
ADTRAN®
Quick Start Guide

NetVanta ADSL Network Interface Module (ADSL Over POTS) P/N 1200869L1



SPECIFICATIONS

ADSL Interface	ADSL over POTS, Annex A Supported Standards: ITU-T G.992.1 (G.dmt) ITU-T G.992.2 (G.lite) ITU-T G.992.3 ADSL2 (G.dmt.bis) ITU-T G.992.5 ADSL2+ ANSI T1.413 Issue 2 Reach Extended ADSL (READSL2) Connector: RJ-11C (6-pin jack, inner pair) Dying Gasp (NetVanta 3200 only)
ATM	Multiple Protocol over AAL5 (RFC2684) PPP over ATM (RFC2364) PPP over Ethernet (RFC2516) ATM Forum UNI 3.1/4.0 PVC ATM Class of Service (UBR) ATM F5 OAM Up to 16 Virtual Circuits
Compliance	FCC Part 15 Class A, EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3 ACTA/FCC Part 68, IC CS-03, AS/ACIF S043, AS/ACIF S002 EN 60950, IEC 60950, UL/CUL 60950, AS/NZS 60950
Physical	Dimensions: 2.75-inch W x 4.25-inch D Operating Temperature: 0°C to 50°C Storage Temperature: -20°C to 70°C Relative Humidity: Up to 95 percent, noncondensing

INSTALLATION INSTRUCTIONS

1. Remove power from the base unit.
2. Slide the option module into the option slot until the module is firmly seated against the chassis.
3. Secure the pins at both edges of the module.
4. Connect the cables to the associated device(s).
5. Complete installation of the base unit.
6. Restore power to the base unit.

CAUTION

NetVanta modules should be installed only in NetVanta Series products.

WAN-ADSL (RJ-11C) PINOUTS

Pin	Name	Description
1, 2	—	Unused
3	R	Network - Ring
4	T	Network - Tip
5, 6	—	Unused

NOTE

An optional Dial Backup Interface Module (DIM) is required for dial backup applications.

For a description of the DBU pinouts, refer to the Quick Start Guide included with your DIM shipment.

NOTE

***Important:** For additional details on product features, specifications, installation, and safety, refer to the appropriate Hardware Installation Guide on the **ADTRAN OS System Documentation** CD shipped with the base unit and available online at www.adtran.com.*

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ADSL NIM Commands

retrain

Forces the modem to retrain.

snr-margin [showtime monitor I training monitor] *<margin>*

Enables monitoring and sets the minimum signal-to-noise (SNR) ratio during training and showtime. Use the **no** form of this command to disable monitoring.

showtime monitor	Enables margin monitoring to retrain the ADSL interface if the specified minimum margin is violated during showtime.
training monitor	Enables margin monitoring to retrain the ADSL interface if the specified minimum margin is violated during training.
<margin>	Sets the minimum SNR margin in dB. Range is 1 to 15.

training-mode [G.DMT | G.LITE | Multi-Mode | T1.413 | ADSL | ADSL2+ | READSL2]

Configures the ADSL training mode. This setting must match the service provider's DSLAM.

G.DMT	Specifies ANSI full-rate mode.
G.LITE	Specifies ANSI splitterless mode.
Multi-Mode	Specifies auto detect mode.
T1.413	Specifies ANSI T1.413 mode.
ADSL	Specifies ITU G.992.3 Annex A mode (G.dmt.bis).
ADSL2+	Specifies ITU G.992.5 ADSL2+ mode.
READSL2	Specifies ITU G.992.3 Annex L mode.

ATM Commands

snmp trap link-status

Controls the Simple Network Management Protocol (SNMP) variable *ifLinkUpDownTrapEnable* (RFC2863) to enable (or disable) the interface to send SNMP traps when there is an interface status change. Use the **no** form of this command to disable this trap.

NOTE

See the AOS Command Reference Guide on the ADTRAN OS System Documentation CD for a complete list of ATM commands.

ATM Sub-Interface Commands

access-policy *<policyname>*

Assigns a specified access policy for the inbound traffic on an interface. Use the **no** form of this command to remove an access policy association.

<policyname>	Identifies the configured access policy using an alphanumeric descriptor (all access policy descriptors are case-sensitive).

dynamic-dns [dyndns | dyndns-custom | dyndns-static] *<hostname> <username> <password>*

Configures Dynamic DNS service provided by Dynamic Network Services, Inc. (www.dyndns.org).

dyndns	Allows you to alias a dynamic IP address to a static hostname in various domains. This service is provided for up to five hostnames.
dyndns-custom	Gives complete control over an entire domain name. A web-based interface provides two levels of control (basic or advanced) over the domain. Can be used with both static and dynamic IPs.
dyndns-static	Allows a hostname such as yourname.dyndns.org to point to your IP address. This service is provided for up to five hostnames.

encapsulation [aal5mux | aal5snap]

Configures the encapsulation type for the ATM Adaption Layer (AAL) of the ATM Protocol Reference Model.

aal5mux	Specifies encapsulation type for multiplexed virtual circuits. A protocol must be specified.
aal5snap	Specifies encapsulation type that supports LLC/SNAP protocols.

oam-pvc managed *<frequency>*

Enables end-to-end F5 Operation, Administration, and Maintenance (OAM) loopback cell generation and OAM management for an ATM interface. Use the **no** form of this command to disable generation of OAM loopback cells.

<frequency>	Specifies the time delay between transmitting OAM loopback cells. Range is 0 to 600 seconds.

oam retry *<up-count> <down-count> <retry-frequency>*

Configures parameters related to OAM management for an ATM interface. Use the **no** form of this command to disable OAM management parameters.

<up-count>	Specifies number of consecutive end-to-end F5 OAM loopback cell responses that must be received in order to change a PVC connection state to up. Range is 1 to 255.
<down-count>	Specifies number of consecutive end-to-end F5 OAM loopback cell responses that are not received in order to change a PVC state to down. Range is 1 to 255.
<retry-frequency>	Specifies frequency (in seconds) that end-to-end F5 OAM loopback cells are transmitted when a change in the up/down state of a PVC is being verified. Range is 1 to 600.