



### WAN-ADSL (RJ-11) PINOUT

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

## SPECIFICATIONS

**ADSL Interface** ADSL over ISDN, ITU G.992.1 Annex B

Supported Standards:

ITU G.992.1 (G.dmt)

ITU G.992.2 (G.lite)

ITU G.992.3 ADSL2 (G.dmt.bis)

ITU G.992.5 ADSL2+

ANSI T1.413 Issue 2

Reach Extended ADSL (READSL2)

RJ-11 (6-pin jack, inner pair)

Dying Gasp (NetVanta 3200 only)

**ATM** Multiple Protocol over AAL5 (RFC2684)

ATM Forum UNI 3.1/4.0 PVC

Up to 16 Virtual Circuits

ATM Class of Service (UBR)

PPP over ATM (RFC2364)

PPP over Ethernet (RFC2516)

ATM F5 OAM

### DBU (RJ-48) PINOUT

Pin	Name	Description
1-2	—	Unused
3	R1	Network-Ring 1
4	R	Network-Ring
5	T	Network-Tip
6	T1	Network-Tip 1
7-8	—	Unused

## INSTALLATION INSTRUCTIONS

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



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

## ADSL NIM COMMANDS

### retrain

Forces the modem to retrain.

### snr-margin [showtime monitor | 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]

Configures the ADSL training mode.

**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.

## ATM COMMANDS

### snmp trap

Enables all supported Simple Network Management Protocol (SNMP) traps on the interface.

### snmp trap link-status

Controls the SNMP variable ifLinkUpDownTrapEnable (RFC 2863), which enables (or disables) the interface to send SNMP traps when there is an interface status change.

## 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> Alphanumeric descriptor for identifying the configured access policy (all access policy descriptors) are case-sensitive.

## ATM SUB-INTERFACE COMMANDS (CONTINUED)

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

Configures Dynamic DNS service provided by Dynamic Network Services, Inc. ([www.dyndns.org](http://www.dyndns.org)).

**dyndns** Allows you to alias a Dynamic IP address to a Static hostname in various domains. This service 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 your domain. Custom DYNDNS 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** Encapsulation type for multiplexed virtual circuits. A protocol must be specified.

**aal5snap** 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.

<frequency> 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.

<up-count> Specifies the 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 (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.



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