



SPECIFICATIONS

Interface Type:	(8) 10BaseT/100BaseTX interfaces supporting Auto-negotiation and Auto MDI/MDIX crossover <i>Auto-negotiation must be enabled on a specific port to allow Auto MDI/MDIX crossover to function on that port.</i>
Flow Control:	Back-pressure flow control on half-duplex interfaces Pause-frame flow control on full-duplex interfaces
Environmental:	Operating Temperature: 0° to 50°C Storage Temperature: -20° to 70°C Relative Humidity: Up to 95% non-condensing
Compliance:	FCC Part 15, Class A UL 60950, Third Edition/CSA C22.2, No. 60950



This module is to be installed in NetVanta 900 Series products only.

INSTALLATION INSTRUCTIONS

1. Remove the locking bar from the chassis.
2. Remove the blank panel from the chassis, if installed.
Note: Press firmly on the top and bottom of the faceplate to insure a proper fit.
3. Slide the Ethernet Switch Access Module into the access slot until the module is firmly positioned in the chassis.
4. Replace the locking bar and secure it with a screwdriver. The locking bar must be attached at all times.
5. Connect the cables to the associated devices.
6. Complete the system installation as specified in the Hardware Installation Guide.

ETHERNET PINOUT

Pin	Name	Description
1	TX1	Transmit Positive
2	TX2	Transmit Negative
3	RX1	Receive Positive
4, 5	—	UNUSED
6	RX2	Receive Negative
7, 8	—	UNUSED

LED DESCRIPTIONS

LED	COLOR	DESCRIPTION
ETHERNET (1 — 8)	Green (off)	The link is down.
	Green (on)	The link is up.
	Amber (off)	There is no activity on the interface.
	Amber (blinking)	There is activity on the interface.

COMMANDS

alias <text>	
Text name assigned to the interface by an SNMP Network Management Station (NMS).	
<text>	Up to 64 alphanumeric characters
arp {arpa}	
Use the arp arpa command to enable address resolution protocol on the Ethernet interface.	
arpa	Keyword used to set standard address resolution protocol for this interface
description <text>	
Comment line to provide an identifier for this interface (for example, circuit ID, contact information, etc.).	
<text>	Up to 80 alphanumeric characters
full-duplex*	
Configure the interface for full-duplex	
half-duplex	
Configure the interface for half-duplex	
mac-address <address>	
Use the mac-address command to specify the Media Access Control (MAC) address of the unit. Use the no form of this command to return to the default MAC address programmed by ADTRAN.	
<address>	Up to 64 alphanumeric characters
shutdown	
Turns off the interface. The no version of this command turns the interface on and allows it to pass data.	

* Indicates the default value.

snmp trap link-status

Use the **snmp trap link-status** to control the SNMP variable ifLinkUpDownTrapEnable (RFC 2863) 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.

speed {10 | 100 | auto*}

Use the **speed** command to configure the speed of an Ethernet interface. Use the **no** form of this command to return to the default value.

10 10 Mb Ethernet

100 100 Mb Ethernet

auto Automatically detects 10 or 100 Mb Ethernet and negotiates the duplex setting.

switchport access vlan <vlan id>

Use the **switchport access vlan** command to set the port to be a member of a VLAN. Use the **no** version of this command to return to the default value (VLAN 1).

<vlan id> Enter a valid VLAN interface ID (1-510).

switchport mode {access* | trunk}

Use the **switchport mode** command to configure the VLAN membership mode. To reset membership mode to the default value, use the **no** version of this command.

access Sets port to be a single (non-trunked) port that transmits and receives no tagged packets.

trunk Sets port to transmit and receive packets on all VLANs included within its VLAN allowed list.

switchport trunk allowed vlan {add | all* | except | remove} <vlan list> <vlan list>

Use the **switchport trunk allowed vlan** command to allow certain VLANs to transmit and receive traffic on this port when the interface is in trunking mode. Use the **no** version of this command to return to the default value. By default, all valid VLANs are allowed.

add Adds VLAN IDs to the VLAN trunking allowed list.

all Adds all VLAN IDs to the VLAN trunking allowed list.

except Adds all VLAN IDs to the VLAN trunking allowed list except those in the command line VLAN ID list.

remove Removes VLAN IDs from the VLAN trunking allowed list.

<vlan list> Enter a list of valid VLAN interface IDs (1-510).

switchport trunk native vlan <vlan id>

Use the **switchport trunk native vlan** command to set the VLAN native to the interface when the interface is in trunking mode. Use the **no** version of this command to reset the trunk native VLAN to the default value. The default setting is VLAN 1.

<vlan id> Enter a valid VLAN interface ID (1-510).

* Indicates the default value.