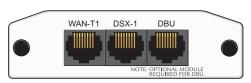
P/N 1202863L1



NETVANTA T1/FT1 + DSX-1 NETWORK INTERFACE MODULE (NIM)



SPECIFICATIONS

T1/FT1 Interface Line Rate: 1.544 Mbps +/- 75 bps

Line Code: AMI or B8ZS Framing: D4 (SF) or ESF

FT1 Line Rate: DS0 Channelized (multiples of

56/64 kbps)

Input Signal: 0 to -36 dB (DS1) Line Build-Out: 0, 7.5, 15, 22.5 dB

Connector: RJ-48C

DS0 Assignment: Programmable

DSX-1 Interface Line Interface: DSX-1 per ANSI T1.102

DSX Receiver Input Range: -10 dBdsx to +6 dBdsx

Line Rate: 1.544 Mbps Capacity: 1 to 24 DS0s Line Code: AMI, B8ZS DSX-1 interface to PBX

Framing: D4 (SF) or ESF

Line Length: 0 to 655 ft and -7.5 dB

Connector: RJ-48C

Clock Source

Network, Internal, and DSX-1

Diagnostics Test pattern generation and detection: 511

Network loopbacks (local and remote)

Responds to Inband loop codes

Alarm generation and detection

Network and user sets of performance data (15)

minutes and 24 hours)

INSTALLATION INSTRUCTIONS

- Remove power from the unit.
- Slide the Network Interface Module (NIM) into the option slot until the NIM is firmly seated against the back 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 unit.

WAN-T1 NETWORK (RJ-48C) CONNECTION PINOUT

Pin	Name	Description
1	R1	Receive data from the network
2	T1	Receive data from the network
3	_	Unused
4	R	Transmit data toward the network
5	Т	Transmit data toward the network
6-8	_	Unused

DSX-1 (RJ-48C) CONNECTION PINOUT

Pin	Name	Description
1	R	Transmit data toward the DTE
2	Т	Transmit data toward the DTE
3	_	Unused
4	R1	Receive data from the DTE
5	T1	Receive data from the DTE
6-8	_	Unused



NETVANTA T1/FT1 + DSX-1 NETWORK INTERFACE MODULE (NIM)

DBU (RJ-48C) CONNECTION PINOUT

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



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

T1/FT1 + DSX-1 NIM COMMANDS

coding {ami | b8zs}

Configures the line coding for the T1 physical interface. The settings must match the line coding supplied on the circuit by the service provider.

ami Alternate Mark Inversion

b8zs Bipolar Eight Zero Substitution

description <text>

Comment line to provide an identifier for this interface (for example, circuit ID, contact

information, etc.).

framing {d4 | esf}

Configures the framing format of the T1 interface. This setting must match the framing format supplied by the service provider.

Superframe T1 framing

Extended superframe T1 framing esf^{*}

line-length <value>

Defines the line buildout (LBO) for the DSX-1 interface. Valid options include -7.5 dB or 0-655 feet.

T1/FT1 + DSX-1 NIM COMMANDS (CONTINUED)

loopback network {line | payload}

Initiates a loopback on the interface toward the network. Deactivate using the no loopback network command.

line Initiates a metallic loopback of the physical T1

network interface.

Initiates a loopback of the T1 framer (CSU portion) payload

of the T1 network interface.

loopback remote line {inband}

Sends a loopback code to the remote unit to initiate a line loopback. Deactivate using the no loopback remote line command.

inband Uses the inband channel to initiate a full 1.544 Mbps

physical loopback (metallic loopback) of the signal

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received from the network.

remote-loopback

Configures the interface to respond to loopbacks initiated by a remote unit (or service provider).

The **no** version of this command configures the interface to ignore T1 loop commands.

shutdown

Turns off the interface. The no version of this command turns the interface on and allows it to pass data.

signaling mode {message-oriented | none | robbed-bit*}

Configures the signaling type for the DS0s mapped to the DSX-1 port.

message-oriented Clear channel signaling on Channel 24 only. Use

with QSIG installations.

Clear channel signaling on all DS0s. Use with datanone

only or PRI DSX-1 installations.

robbed-bit* Robbed bit signaling on all DS0s. Use with voice-

only DSX-1 applications.

snmp trap {line-status | link-status}

Controls the SNMP variable to enable the interface to send SNMP traps when there is an interface status change.

test-pattern {ones | zeros}

Initiates sending the specified test pattern.

ones Generates continuous ones. zero Generates continuous zeros.

^{*} Indicates default values.