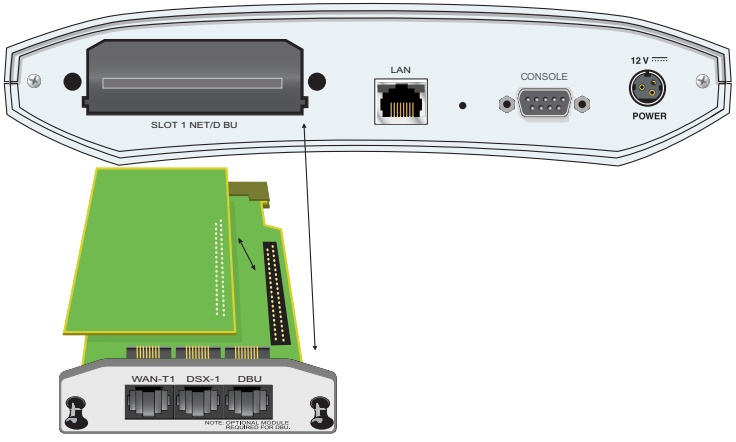
ADTRAN®
Quick Start Guide

NetVanta ISDN S/T Dial Backup Interface Module (DIM) P/N 1200875L1



Specifications

Features	Clear channel and bonding mode 1 call protocols Network support for 64 kbps (1 B-channel) D-channel switch compatibility with AT&T 5ESS, Northern Telecom DMS-100, National ISDN-1, and Euro-ISDN V.54 network loopback support
Compliance	FCC Part 15 Class A, EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3 AS/ACIF S031, ETSI TBR 3 IEC 60950, EN 60950, AS/NZS 60950
Physical	Dimensions: 2.5-inch W x 3.75-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. If the Network Interface Module (NIM) is already in the NetVanta chassis, release the pins at both edges of the NIM faceplate and slide the module out of the chassis.
3. Carefully align the P1 connector on the NIM with the J1 connector on the ISDN S/T DIM. *Using only fingertip pressure* so that neither circuit board bends or flexes, ensure that the connectors are firmly seated. Secure the ISDN S/T DIM to the NIM using the screws and standoff posts supplied.
4. Slide the NIM with the ISDN S/T DIM attached into the NetVanta option slot until the NIM is firmly seated against the chassis.
5. Secure the pins at both edges of the NIM.
6. Connect the cables to the associated device(s).
7. Complete installation of the base unit.
8. Restore power to the base unit.

CAUTION

NetVanta modules should be installed only in NetVanta Series products.

ISDN S/T DBU Connection Pinouts

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

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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ISDN BRI DIM COMMANDS

alias <*"text"*>

Populates the ifAlias OID (Interface Table MIB of RFC2863) for all physical and virtual interfaces when using SNMP management station.

bonding txadd-timer <*seconds*>

Specifies the value (in seconds) for the aggregate call connect timeout. Use the **no** form of this command to return to the default value.

<*seconds*>	Specifies the number of seconds the endpoint will wait for additional channels (to add to the bonded aggregate) before considering the bonding negotiation a failure

bonding txcid-timer <*seconds*>

Specifies the value (in seconds) for the bearer channel (B-channel) negotiation timeout. Use the **no** form of this command to return to the default value.

<*seconds*>	Specifies the number of seconds the endpoint allots for negotiating data rates and channel capacities before considering the bonding negotiation a failure.

bonding txdeq-timer <*seconds*>

Specifies the value (in seconds) for the network delay equalization timeout. Use the **no** form of this command to return to the default value.

<*seconds*>	Specifies the number of seconds the endpoint allots for attempting to equalize the network delay between bearer channels before considering the bonding negotiation a failure.

bonding txfa-timer <*seconds*>

Specifies the value (in seconds) for the frame pattern detection timeout. Use the **no** form of this command to return to the default value.

<*seconds*>	Specifies the number of seconds the endpoint allots for attempting to detect the bonding frame pattern (when a call is connected) before considering the bonding negotiation a failure.

bonding txinit-timer <*seconds*>

Specifies the value (in seconds) for the originating endpoint negotiation timeout. Use the **no** form of this command to return to the default value.

<*seconds*>	Specifies the number of seconds the endpoint waits to detect the bonding negotiation frame pattern from the remote endpoint (when a call is connected) before considering the bonding negotiation a failure.

bonding txnull-timer <*seconds*>

Specifies the value (in seconds) for the answering endpoint negotiation timeout. Use the **no** form of this command to return to the default value.

<*seconds*>	Specifies the number of seconds the endpoint waits to detect the bonding negotiation frame pattern from the originating endpoint (after answering a call) before considering the bonding negotiation a failure.

caller-id override [always <*number*> **| if-no-CID** <*number*>**]**

Configures the unit to replace caller ID information with a user-specified number. Use the **no** form of this command to disable any caller ID overrides.

always <*number*>	Always forces replacement of the incoming caller ID number with the number given.
if-no-CID <*number*>	Replaces the incoming caller ID number with the number given only if there is no caller ID information available for the incoming call.

description <*text*>

Identifies the specified interface, both physical and virtual (for example, circuit ID, contact information, etc.), using up to 80 alphanumeric characters.

isdn spid1 <*spid*> <*ldn*>

Specifies the Service Profile Identifiers (SPIDs). This information should be supplied by your service provider. Use the **no** form of this command to remove a configured SPID.

<*spid*>	Specifies the 8 to 14 digit number identifying your Basic Rate ISDN (BRI) line in the Central Office switch. A SPID is generally created using the area code and phone number associated with the line and a four-digit suffix.
<*ldn*>	Optional. Specifies the LDN assigned to the circuit by the service provider. The LDN is the number used by remote callers to dial into the ISDN circuit. If the <*ldn*> field is left blank, the AOS will not accept inbound dial-backup calls to the BRI module.

isdn spid2 <*spid*> <*ldn*>

See **isdn spid1**.

NOTE

For Euro applications, a SPID is not necessary. In order to configure the LDN, however, the SPID field must be completed. Enter zeros in the SPID field, followed by the LDN (separated by a space). For example: ***isdn spid1 0000 2565558898****.*

isdn switch-type [basic-5ess | basic-dms | basic-net3 | basic-ni*]

Specifies the ISDN signaling type configured on the Basic Rate ISDN (BRI) interface. The type of ISDN signaling implemented on the BRI interface does not always match the manufacturer of the Central Office switch. Use the **no** form of this command to return to the default value. This setting is determined by your service provider.

basic-5ess	Specifies Lucent/AT&T 5ESS signaling.
basic-dms	Specifies Nortel DMS-100 custom signaling.The **basic-dms** signaling type is not compatible with proprietary SL-1 DMS signaling.
basic-net3	Specifies Net3 Euro-ISDN signaling.
basic-ni*	Specifies National-ISDN 1 signaling.

shutdown

Disables the interface (both physical and virtual) so that no data will be passed through. Use the **no** version of this command to turn on the interface and allows it to pass data.

***Indicates default values.**

