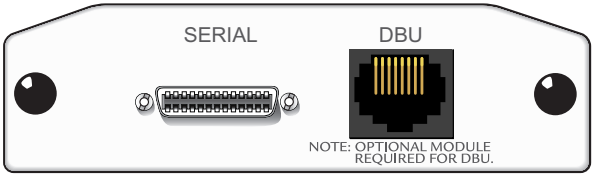
ADTRAN®
Quick Start Guide

NetVanta Serial Network Interface Module (NIM) P/N 1200866L1



Specifications

Operating Mode	DTE Only
Serial Interface	Supported Standards: ISO 4903 (X.21), CCITT V.35 Synchronous (V.35), EIA 530 Synchronous Provides V.35 or X.21 (V.11) electrical interface Connector: 26-Pin Smart Serial (DTE)
Compliance	FCC Part 15 Class A, EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3 ETSI TBR 1, ETSI TBR 2 UL/CUL 60950, EN 60950, IEC 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 the power from the 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 unit.

CAUTION

NetVanta modules should be installed only in NetVanta Series products.

Serial to Cable Connection Pinouts

Serial Pin	V.35 Pin	X.21 Pin	EIA 530 Pin	Name
1	P	2	2	TD_A
2	U	N/A	24	ETC_A
3	Y	N/A	15	TCLK_A
4	V	6	17	RCLK_A
5	R	4	3	RD_A
6	F	N/A	8	DCD_A
7	H	N/A	20	DTR_A
8	C	3	4	RTS_A
9	N/A	10	19	RTS_B (V.11 only)
10	N/A	12	13	CTS_B (V.11 only)
11	D	5	5	CTS_A
12	E	N/A	6	DSR_A
13	K	N/A	25	TM_A
14	S	9	14	TD_B
15	W	N/A	11	ETC_B
16	AA	N/A	12	TCLK_B
17	X	13	9	RCLK_B
18	T	11	16	RD_B
19-25	N/A	N/A	N/A	Unused
26	B	8	7	Ground

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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SERIAL NIM COMMANDS

description *<text>*

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

et-clock-source [rxclock | txclock*]

Configures the clock source used when creating the external transmit reference clock (et-clock). Use the **no** form of this command to return to the default value.

rxclock	Uses the clock recovered from the receive signal to generate the et-clock.
txclock*	Uses the clock recovered from the transmit signal to generate the et-clock.

ignore dcd

Specifies the behavior of the serial interface when the data carrier detect (DCD) signal is lost. When configured to follow DCD (default condition), the serial interface will not attempt to establish a connection when DCD is not present. When configured to ignore DCD, the serial interface will continue to attempt to establish a connection even when DCD is not present. Use the **no** form of this command to return to the default value.

invert etclock

Configures the serial interface to invert the external transmit reference clock (et-clock) in the data stream before transmitting. Use the **no** form of this command to return to the default value.

invert rxclock

Configures the serial interface to expect an inverted receive clock (found in the received data stream). Use the **no** form of this command to return to the default value.

invert txclock

Configures the serial interface to invert the transmit clock (found in the transmitted data stream) before sending the signal. Use the **no** form of this command to return to the default value.

serial-mode [eia530 | v35* | x21]

Specifies the electrical mode for the interface. Use the **no** form of this command to return to the default value.

eia530	Configures the interface for use with the EIA 530 adapter cable (P/N 1200883L1).
v35*	Configures the interface for use with the V.35 adapter cable (P/N 1200873L1).
x21	Configures the interface for use with the X.21 adapter cable (P/N 1200874L1).

shutdown

Disables the interface (both physical and virtual) so that no data will be passed through. Use the **no** form of this command to turn on the interface and allow it to pass data. By default, all interfaces are disabled.

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.

*** Indicates default values.**

