



APX 8000/MAX TNT/ DSLNT ATM DS3 Card

Lucent's APX 8000™/MAX TNT™/DSLNT™ ATM DS3 card provides direct access to ATM networks through the APX 8000/MAX TNT WAN access switches, and the DSLNT Digital Subscriber Line concentrator. The ATM DS3 card concentrates traffic from multiple lines and sends it directly to an ATM network, allowing carriers, CLECs and other service providers to offer end users faster access to more services without expensive hardware add-ons or lengthy software conversions.



Direct ATM access provides network scalability

With the ATM DS3 card, service providers can connect directly to ATM switches, providing scalability to higher WAN transmission rates. End users benefit because access to ATM networks is immediate and more services are available.

- One unchannelized DS3 port with integrated CSU/DSU
- Maximum of two cards per MAX TNT chassis (redundant)
- Maximum of four cards per APX 8000 (Phase I)

Expanded capabilities deliver new service options

The ATM DS3 card's high number of simultaneous VCs enable service providers to offer new service options to end users. Providers can support any combination of access lines and deliver cost-effective, scalable solutions that grow with end user demand.

- ATM Forum UNI 3.0/3.1 support
- Support for RFC 1483 (Multiprotocol Encapsulation over AAL 5)
- Protocol conversion between ATM (RFC 1483) and Frame Relay (RFC 1490)
- 512 active VCs per port
- FRF.8 PVC mapping between ATM and Frame Relay networks

Hot-swappable architecture increases uptime

Because downtime is not an option for a network, the ATM DS3 card is designed to install and configure without inhibiting user applications. In addition, the ATM DS3 card is interoperable with all existing Lucent ATM switching products.

- Hot-swappable
- Auto-configure capabilities
- Operations, Administration and Maintenance (OAM) loopback

ATM routing and Frame to ATM switching capabilities optimize network performance

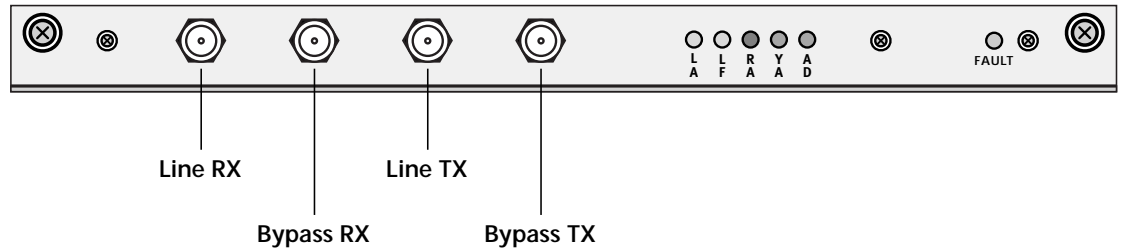
The high-performing ATM DS3 card provides Layer-3 routing and Layer-2 PVC switching among ATM and Frame Relay networks. Providers can optimize network performance and deliver more services to end users without installing additional cards.

- Layer-3 routing support
- Layer-2 PVC switching



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DSLNT
ATM DS3 Card

APX 8000/MAX TNT/DSLNT ATM DS3 card back panel



The APX 8000/MAX TNT/DSLNT ATM DS3 card back panel has four BNC connectors (TX and RX) with redundant options. Activity LEDs indicate traffic status.

Specifications

Dimensions

5.6 in x 10.7 in [14.2 cm x 27 cm]

Weight

2 pounds [0.9 kg]

Power requirements

35 Watts

Operating requirements

Temperature: 32°–104°F [0°–40°C]
Humidity: 0–90% (non-condensing)

Interfaces per card

1 port per card

Electrical

DSX-3 per ANSI T1.404

Line build out

0 to 225 feet, or 226 to 450 feet

Receive equalization

Based on cable length and transmitter

Connectors

75 Ohm BNC coaxial

Safety compliance

UL/CSA 1950, EN 60950,
AS/NZS 3260

EMC/RFI compliance

FCC 15 Class B, VCCI Class II,
AS.NZS 3548 Class B,
EN 55022 Class B, EN 55082-1

Network Interface

FCC Part 68, FCC Part 15, IC CS-03

ATM module physical interface

1 ATM UNI 3.0/3.1 DS3 port
[44.736 Mbps]

ATM module physical connections

4 BNC connectors [TX and RX] with redundant option

Network clock support

Transmit clock can be derived from the network

ATM module DS3 options

Framing: C-bit Parity
Cell mapping: DS3 PLCP
Cell payload scrambling: enabled, fixed

DS3 standards

ATM Forum UNI 3.0/3.1, ANSI T1.404, Bellcore TR-NWT-000499

Status indications

RA (red)	Loss of signal
LF (red)	Interface is out of frame alignment
LA (green)	Normal operation
YA (yellow)	Downstream equipment (see loss of signal)
AD (yellow)	Upstream equipment fault
Fault (yellow)	Error has occurred

Specifications subject to change without notice.

To learn more, contact your Lucent Technologies Representative, Authorized Reseller, or Sales Agent. Or, visit our Web site. www.lucent.com