



NTU Nx64

E1 HDSL Network Termination Unit

Product Features

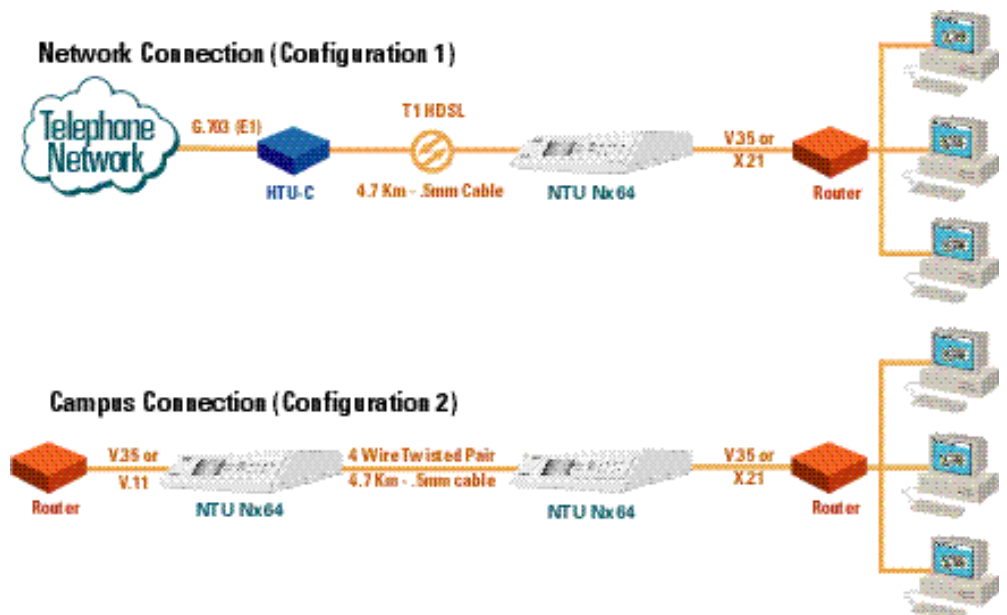
- Single V.35 or V.11 DTE interface
- Nx56 or Nx64 operation for data rates to 1.984 Mbps
- E1 HDSL line interface
- Easy-to-use front panel keypad for unit configuration and monitoring
- Local and remote loopback capability
- Extensive built-in performance monitoring capabilities
- Built in 511 bit error test function
- Password protection
- V.54 loopback for end-to-end testing

The ADTRAN NTU Nx64 is an easy-to-use E1 HDSL network termination unit. The NTU Nx64 provides an interface between E1 HDSL and the user's Data Terminal Equipment (DTE). The NTU Nx64 is an ideal solution for applications such as LAN to LAN bridging, Frame Relay circuit termination, and video-conferencing. The NTU Nx64 can be deployed in two system configurations:

- 1) as a remote unit to the ADTRAN E1 LTU central office unit.
- 2) in pairs in a point-to-point limited distance campus configuration.

Housed in a compact, durable plastic housing, the NTU Nx64 supports data rates from 56 kbps to 1.984 Mbps at Nx56 or Nx64 kbps. A single V.35 or V.11 interface provides connection to the end user's DTE equipment.

Configuration, testing, and performance monitoring are accomplished with a user-friendly front-panel interface. Complete configuration and performance information is available from the front panel keypad and two-line by 16-character LCD display. The front panel interface can also be used to invoke local and remote loopbacks. The NTU Nx64 also supports configuration and performance monitoring through a rear panel control port using a VT100 terminal emulation.





NTU Nx64

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E1 HDSL Network Termination Unit

Product Specifications

Network Interface

Line Rate

- E1 HDSL per TS 101-135

Line Interface

HDSL

- RJ45

Framing

- G.703, CAS, CCS
- CRC 4 enable / disable

Line Code

- 2B1Q

DSO Assignment

- Contiguous
- Alternating

HDSL Timing

- Network
- Internal
- DTE

DTE Interface

- **Bit Rate:** 56 kbps to 1.984 Mbps, Nx56 or Nx64 kbps (N=1 to 31)
- CCITT V.35 (M34F Connector)
- CCITT V.11 (DB15F Connector)

DTE transmit clock

- Automatic
- Internal
- External

Performance Monitor Performance Data

- BPVs/CRCs, ES, SES, UAS, Alarms, Errors

Tests

- Local Loopback
- Remote Loopback
- V.54 Loopback
- Built in 511 bit error rate testor

Agency Approvals

- K.20, K.21
- CISPER 22
- IEC 950
- CE Mark

Environment

Operating

- 0 to 50°C (32 to 122°F)

Storage

- -20 to 70°C (-4 to 158°F)

Relative Humidity

- Up to 95%, non-condensing

Physical

Dimensions

- 1.5" H, 9.0" W, 6.25" D

Weight

- 2 lbs

Power

- 90-240 V, 50-60 Hz, 5 W

Protection

- Front-panel password protection

Ordering Information

Equipment	Part #
NTU Nx64	1245033L1



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ISO 9001 registered company.



ADTRAN is a
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