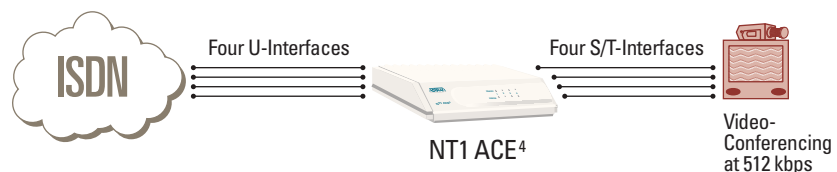# NT1 ACE⁴

Quad NT1

Product Features

- Four NT1s in a single enclosure

- Optimized for 512 Kbps videoconferencing applications

- Supports multiple switch vendors; LUCENT 5ESS™, Nortel DMS-100™, Siemens EWSD, NEC, and National ISDN-1

- LED display to indicate power and network status

- Provides U-interface lightning protection

- Standard five-year warranty

The NT1 ACE4™ combines the functionality of four NT1s in a single device. Connection to the ISDN network is accomplished via four U-interfaces and connection to the subscribers' terminal equipment utilizing four S/T interfaces. The U- and S/T-interfaces on the NT1 ACE4 conform to ANSI and CCITT standards and perform all Layer 1 functions.

The NT1 ACE4 is designed with aesthetics as well as functionality in mind. The unit is enclosed in an attractive, durable plastic housing appropriate for desktop or wall-mount use. The NT1 ACE4 is powered by the external power supply provided with the unit.

The NT1 ACE4 is provides 100 ohm bus termination and is protected from lightning and harmful line transients on the network interfaces.

Eight LED status indicators on the NT1 ACE4 aid in fault isolation. Indicators display the status for Power, Network Ready, Network and Customer Errors, and Network Test.

ISDN — Four U-Interfaces — NT1 ACE⁴ — Four S/T-Interfaces — Video-Conferencing at 512 kbps

ADTRAN

NT1 ACE[4]

Quad NT1

Product Specifications

NT1 ACE[4] Interface
Network
- **Line:** 2-wire (TIP and Ring)
- **Operating Mode:** full-duplex
- **Data Rate:** 160 Kbps total; 144 Kbps available to customer
- **Signal Format:** 2B1Q
- **Output Amplitude:** 2.5 V, zero-to-peak
- **Tx Source Impedance:** as per ANSI T1.601-1992
- **Rx Source Impedance:** as per ANSI T1.601-1992
- **Receiver Sensitivity:** as per ANSI T1.601-1992

Customer
- **Line:** 4-wire (Tx and Rx Pair)
- **Operating Mode:** Full-duplex
- **Data Rate:** 192 Kbps total; 144 Kbps available to customer
- **Signal Format:** Alternate mark inversion, 100% duty cycle
- **Output Amplitude:** 0.75 V, zero-to-peak
- **Tx Source Impedance:** as per ANSI T1.605-1991
- **Rx Source Impedance:** as per ANSI T1.605-1991
- **Receiver Sensitivity:** as per ANSI T1.605-1991

Switch Compatibility
- Lucent 5ESS®
- Nortel DMS-100™
- Siemens EWSD
- NEC
- National ISDN-1

Agency Approvals
- FCC Part 15, Class B
- FCC Part 68
- UL
- CUL
- CSA
- CS03

Environment
Operating Temperature
- 0° to 50°C (32° to 122°F)

Storage Temperature
- −20° to 70°C (−4° to 158°F)

Relative Humidity
- Up to 95%, non-condensing

Physical
Size
- 1.625" H, 6.375" D, 9.0" W

Weight
- 9.5 oz

Power
- +12 vDC, 3.3 W dissipation

Product Includes
- Two 6 ft telephone cables (RJ45 to RJ11)
- 110 V wallmount power supply
- User Manual

Ordering Information

Equipment	Part #
NT1 ACE[4]	1200242L1