



NT1 ACE⁴

Quad NT1

Product Features

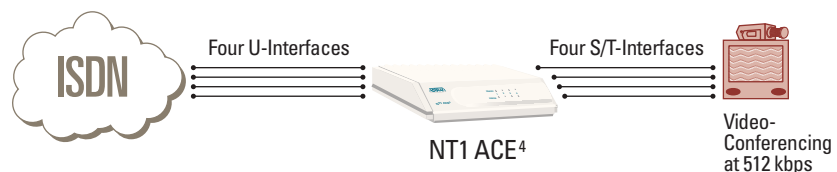
- Four NT1s in a single enclosure
- Optimized for 512 Kbps videoconferencing applications
- Supports multiple switch vendors; LUCENT 5ESS™, Nortel DMS-100™, Siemens EWSD, NEC, and National ISDN-1
- LED display to indicate power and network status
- Provides U-interface lightning protection
- Standard 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 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.





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Product Specifications

NT1 ACE⁴ 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



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