



# NT1 ACE4

## Quad NT1

### Product Features

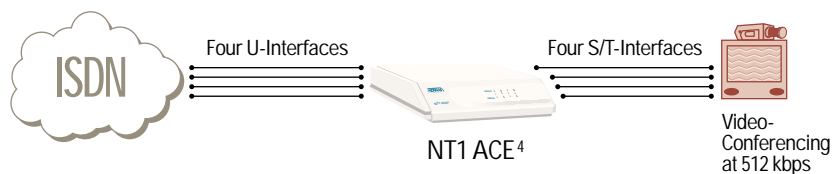
- Four NT1s in a single enclosure
- Optimized for 512 kbps videoconferencing applications
- Supports multiple switch vendors; LUCENT 5ESS™, Nortel DMS-100™, Siemens EWSD, NEC, and National ISDN-1
- LED display to indicate power and network status
- Provides U-interface lightning protection
- Industry-leading five-year North American 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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ADTRAN is a TL 9000 3.0 certified supplier.

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# NT1 ACE4

## Quad NT1

## 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 ACE4	1200242L1



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