



NT512 ISDN NT-1 Device

Product Features

- **Four ISDN NT1s in a box**
- **Perfect for 512 Kbps Videoconference application**
- **Wall-mountable or Desk-stackable**
- **Compatible with 2B1Q basic rate services and standard ISDN terminals**
- **Four ISDN U-Interface ports conforming to ANSI T1.601-1992**
- **Eight ISDN ST-Interface ports conforming to ANSI T1.605-1991**
- **U-Interface lightning protection**
- **Automatic over-current protection.**
- **Configurable terminal impedance**
 - **100 ohm. (default)**
 - **50 ohm.**
 - **0 ohm.**

The NT512 provides a space saving solution for multiple ISDN NT1 devices. It combines the function of four NT1s in a single, compact device which is enclosed in a durable plastic housing appropriate for desktop or wall-mount use. It is perfectly suitable for 512 Kbps ISDN Video Conference devices to connect with the Central Office.

There are a total of five LED indicators located on the front panel of the NT512. Indicators display the status of POWER, NETWORK LINE READY/ERROR. Customers can easily recognize the current status of the NT512.

Considering functionality, NT512 provides the network termination for 2B1Q ISDN basic rate interface. Two types of interface connectors, **U and S/T** interface connectors, are located at the rear panel. Connection to the ISDN Central Office is made with U interfaces. Connection to the Customer Premises Equipment is by S/T interfaces. Both U and S/T interfaces conform to ANSI and CCITT standards.

The NT512 is protected from lightning and/or power surges on the network interface. The S/T interface is monitored and will automatically protect the device and its network.

As many as eight devices can be connected to the S/T interfaces of the NT512, and three options of terminal impedance can be selected via setting the DIP switch.

The NT512 is powered by an external power supply, which comes with the unit. Cables for U and ST ports are also included in the package.

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Where to buy

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Technical Support

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Ordering Information

NT512-16-GP (16W Power Supply)

NT512-40-GP (40W Power Supply
available at additional cost)

Package Dimension

12.6", 8", 3.54"
(32cm, 20.3 cm, 9 cm)

Package Weight

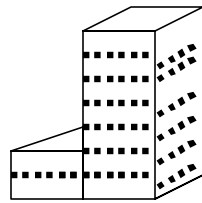
4.0 lbs

Package Contents

NT512 NT1 device
RJ-45 to RJ-45 cables (4)
RJ-11 to RJ-45 hybrid cables (4)
Power supply -10Watt/16Watt
Wall-Mounting Kit

Limited Three Years Warranty

Central Office



ISDN Switch

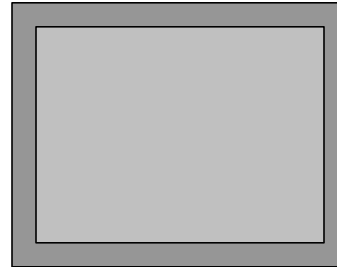


Local Loop
(U-Interface)

NT512



S/T Interface



Video Conferencing Device

Mechanical

Size: 2" High, 6.4" Wide x 7.5" Deep
(5.08 cm, 16.26 cm, 19.05 cm)
Weight: 2 lbs (0.91 Kg)
Mounting: Wall or desktop

Front Panel Indicators

POWER LED X1
LINE LEDs X4

Network Compatibility

U-InterfaceISDN U
S/T-InterfaceISDN S/T

Network Interface (U)

Line: 2-Wire (Tip and Ring)
Operating Mode: Full-Duplex
Data Rate: 144 kbps to customer
Line Code Format: 2B1Q
Output Amplitude:
2.5 volts, zero-to-peak
Connectors: RJ-45
Tx Source Impedance
...As per ANSI T1.601
Rx Source Impedance
...As per ANSI T1.601
Receiver Sensitivity
...As per ANSI T1.601

Customer Interface (S/T)

Line: Four-Wire.
Operating Mode: Full-Duplex
Data Rate: 144 kbps to customer
Line Code Format:
Alternate Mark Inversion (AMI),
100% duty cycle
Output Amplitude:
0.75 volt, zero-to-peak
Connector: RJ-45
Tx Source Impedance
...As per ANSI T1.605
Rx Source Impedance
...As per ANSI T1.605
Receiver Sensitivity
...As per ANSI T1.605

Power Supply Specifications

Power Input: 110 VAC, 60 Hz
Power Output: 10/16 W or 40 W
Output Voltage:
40 ~ 48 VDC, 250 mA (10/16 W PS)
42 VDC, 1A (40 W PS)

Environment

Operating Temperature:
0 to 50 °C (32 to 100 °F)
Storage Temperature:
-20 to 60 °C (-4 to 140 °F)
Relative Humidity:
Up to 95%, non-condensing.

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