



Product Features

- **Provides 2B+D basic rate service**
- **Wall-mountable or Desk-stackable**
- **Compatible with 2B1Q basic rate services and standard ISDN terminals**
- **U-Interface port conforming to ANSI T1.601-1992**
- **Two ISDN S/T-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.**

NT128 ISDN NT-1 Device

The GPNP NT128 provides basic rate ISDN access at the customer premises. It is enclosed in a durable plastic housing appropriate for desktop or wall-mount use.

There are a total of three LED indicators located on the front panel of the NT128. Indicators display the status of POWER, NETWORK LINE READY/ERROR. Customers can easily recognize the current status of the NT128.

Considering functionality, NT128 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 NT128 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 NT128, and three options of terminal impedance can be selected via setting the DIP switch.

The NT128 is powered by an external power supply, which comes with the unit. Cables for U and S/T ports are also included in the package.

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Where to buy

Telephone: (408) 245-0388

Sales@gnpninc.com

Technical Support

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support@gnpninc.com

Ordering Information

NT128-10-GP (10 W Power Supply)

(Other option Power Supply available,
Please call)

Package Dimension

3.7", 5.39", 1.34"

(9.4 cm, 13.7 cm, 3.4 cm)

Package Weight

2.0 lbs

Package Contents

NT128 NT1 device

RJ-45 to RJ-45 cables (2)

RJ-11 to RJ-45 hybrid cables (1)

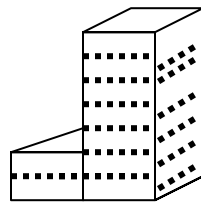
Power supply -10Watt

Wall-Mounting Kit

Limited Three Years Warranty

GPNP

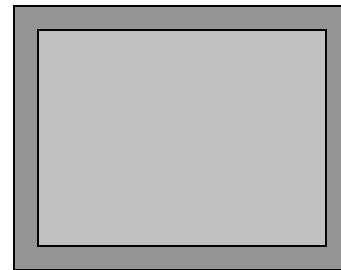
Central Office



ISDN Switch

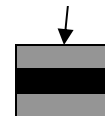


Local Loop
(U-Interface)



Video Conferencing Device/ ISDN Telephone

S/T Interface



Mechanical

Size: 1.34" High, 3.7" Wide x 5.39"
Deep
(3.4 cm, 9.4 cm, 13.7 cm)
Weight: 1 lbs (0.45 Kg)
Mounting: Wall or desktop

Front Panel Indicators

POWER LED X1
U LOOP-BACK LED X1
STATUS LED X1

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: 10W
Output Voltage:
40 ~ 48 VDC, 250 mA

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.