



## **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

Telephone: (408) 245-0388

[support@gnpninc.com](mailto: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

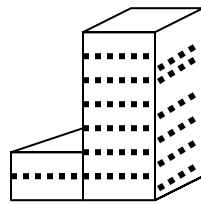
Wall-Mounting Kit

**Limited Three Years Warranty**

# GPNP

## Central Office

## NT128



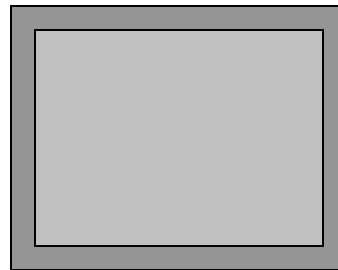
ISDN Switch



Local Loop  
(U-Interface)



S/T Interface



Video Conferencing Device/ ISDN Telephone

### **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-Interface .....ISDN U  
S/T-Interface .....ISDN 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.