

# JNT300

## A Performance-Proven Nt1 for Your ISDN Connection



The JNT300 is your stand-alone ISDN network termination (Nt1) unit which provides the 2B1Q basic rate interface needed between the ISDN network line and the subscriber terminal equipment. You get two 64 Kbps B-channels for simultaneous VOICE/ DATA transmission and one 16 Kbps D-channel for network signal transmission. Ideal for remote branch offices and home offices. The JNT300 unit also features an internal power supply enclosed in a compact and lightweight housing suitable for desktop or wall-mount installation.

### Key Features

- Conforms to ANSI and ETSI network and terminal interfaces
- Compatible with 2B1Q basic rate services and standard ISDN terminals
- Provides 2B+D ISDN basic rate services
- Provides point-to-point and point-to-multipoint connections
- Compact unit with built-in power supply
- Three LED status indicators
- 50Ω, 100Ω, and un-terminated impedance selectable
- Provides lightning surge protection for network, terminal interface, and AC power

### Specification:

#### NETWORK (U-INTERFACE)

##### Line Code

- 2B1Q per ETR 080 Annex A
- ETSI TS 101 080

##### Transmission Method

- 2-Wire Duplex Transmission with Echo Cancellation

##### Data Rate

- 160 Kbps (2B1Q)

##### Output Amplitude

- 2.5V Per Peak Nominal

##### Connectors

- One RJ-45
- One 2-Contact Clip Type Terminal

### TERMINAL (S/T-INTERFACE)

#### Line Code

- AMI Modified, per ITU I.430
- ETS 300 012

#### Transmission Method

- 4-Wire Duplex Transmission

#### Channel Structure

- 2B+D+Synchronization+Service Channel

#### Data Rate

- 192 Kbps (2B+D)

#### Output Amplitude

- $\pm 0.75V$  per Peak Nominal

#### Connectors

- Two RJ-45
- One Clip-Type

#### Line Configuration

- Point-to-point
- Point-to-multipoint

### REGULATORY

#### ETS 300 047

#### EN 60950

#### EN 55022

#### EN 61000

#### K.21

### LED INDICATORS

U and S/T Interface status lamp

AC Power Status Lamp

Line Power Status Lamp

### POWER ADAPTER

#### Built-in Module

#### Input Voltage

- 110Vac/60Hz
- 220Vac~240Vac/50Hz

### POWER FEEDING

#### Input Voltage from Switches

- 28Vdc - 118Vdc

#### Feeding Power to S/T

- 4.5W, 34Vdc 42Vdc

### DIP SWITCH

#### Termination Resistors

- 100 $\Omega$  / 50 $\Omega$  / Un-terminated

#### Wiring Timing Mode

- Fixed/Adaptive Timing Mode

#### LED Display Function

- Active/De-active

### ENVIRONMENTAL

#### Operating Temperature

- -5°C ~ 45°C (23°F~113°F)

#### Storage Temperature

- -40°C~60°C (-40°F~140°F)

#### Operating Humidity

- Up to 90%, Non-condensing

#### Storage Humidity

- Up to 95%, Non-condensing

### PHYSICAL

#### Dimension

- 104mm (W) x 159mm (D) x 60mm (H)

## Ordering information

MODEL	DESCRIPTION
JNT300	ISDN Nt1 (A Performance-Proven Nt1 for Your ISDN Connection)

