

UT620U

ISDN NT1 Device

Low Cost

High Quality

Reliable Performance



"Your NGN CPE Solution Provider"

A Low Cost, High Quality Solution for Connecting ISDN Terminal Equipment to ISDN BRI Services.



Model: UT620U

PRODUCT FEATURES...

- Compatible with North American 2B1Q basic rate services and standard ISDN terminals
- Compatible with all Nortel Networks global DMS-100 switches
- Provides 2B+D basic rate S/T & U-Interfaces
- Automatic lightning and surge protection
- Supports point-to-point and point-to-multipoint
- LED status indicators
- Allows long and short passive bus arrangements
- Desktop or wall mount

The Alpha Telecom UT620U is a standalone ISDN Network Termination Type 1 device that provides the link between ISDN Customer Premises Equipment (CPE) and Central Office switching equipment. The UT620U terminates and converts the two-wire U-Interface that comes from the telephone company to a four-wire S/T-Interface to provide ISDN Telephones, Video Conferencing Systems or other ISDN CPE devices access to BRI ISDN services.

The UT620U is offered with different power options depending on your need to power your CPE. The 2W Power Supply (AM9200) provides power to the UT620U only and is ideal for video conferencing applications. The universal full range 9.8W IEC Switching Power Supply (SP62040) (110-240V, 50/60Hz), with appropriate IEC cord, provides not only power to the UT620U, but also provides ITU Standard Power Source 2 (PS2) power through the S/T-Interface to the ISDN CPE and is ideal for ISDN telephone applications.

The UT620U conforms to industry standard 2B1Q line code for the U-Interface; ANSI T1.601-1992. The S/T-Interface conforms to ANSI T1.605-1991; ITU/CCITT I.430 standards; and is a FCC, DOC, ETL/CETL approved device. Its reliable design protects against lightning and power surges.

TECHNICAL SPECIFICATIONS

Network U-Interface:

- Line: Two-wire, Full Duplex
- Data Rate: 144Kbps available
- Line Code: 2B1Q per ANSI T1.601-1992
- Output Amplitude: 2.5Volts, Zero-to-Peak
- Tx and Rx Source Impedance: As Per ANSI T1.601-1992
- Receiver Sensitivity: As Per ANSI T1.601-1992
- Connector: One RJ-45

Terminal S/T-Interface:

- Line: Four-wire, Full Duplex
- Data Rate: 144Kbps available
- Line Code: AMI, 100% Duty Cycle
- Output Amplitude: 0.75V, Zero-to-Peak
- Tx and Rx Source Impedance: As Per ANSI T1.605-1991
- Receiver Sensitivity: As Per ANSI T1.605-1991
- Connector: Two RJ-45

Dip Switches:

- S/T-Interface termination resistance
- S/T bus timing mode

LED Indicators:

- Front panel power status lamp
- S/T and U line error status lamp
- U loopback status lamp

Power Supplies:

- AM9200 (2W Power Adapter)
 - 9Vdc / 0.1A
- SP62040 (9.8W IEC Switching Power Supply)
 - 9Vdc / 0.18A
 - -40Vdc / 0.2A

Compliance Standards:

- ANSI T1.601-1992, Integrated Services Digital Network (ISDN) Basic Access Interface for Use on Metallic Loops for Applications on the Network Side of the NT (Layer 1 Specification)
- ANSI T1.605-1991, Integrated Services Digital Network (ISDN) Basic Access Interface for S and T Reference Points (Layer 1 Specification)
- ITU/CCITT I.430 recommendation, Basic User-Network Interface Layer 1 Specification
- * The UT620U has been tested and works on all Nortel Networks global DMS-100 switches

Regulatory:

- CAN/CSA C22.2 NO.950-95, Safety of Information Technology Equipment
- FCC Part 15, Class A - with AM9200
- FCC Part 15, Class B - with SP62040
- FCC Part 68
- DOC CS03
- ETL/CETL

Environment:

- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- Storage Temperature: -4°F to 158°F (-20°C to 70°C)
- Humidity: 5 to 95% non-condensing

Physical Dimensions:

- 1.3"Hx3.93"Wx5.7"D (33mmHx100mmWx145mmD)
- Weight: 1 lb. (0.44kg)

Warranty:

- Standard One Year

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