

Express NTU

Synchronous ISDN Terminal Adapter

Product Features

- Provides up to 128 kbps of dialed or dedicated bandwidth for high-speed data applications
- Supports dedicated 128 kbps service over two wires in a limited distance modem or leased line application
- Uses standard ISDN Basic Rate service
- EIA-232, V.35 or EIA-530 DTE interface
- Supports data rates up to 128 kbps synchronous or 230.4 kbps asynchronous
- Built-in network termination and terminal adapter functionality
- Supports BONDING and Multilink PPP
- Remotely configurable over the ISDN line
- Manual, automatic, and stored number dialing
- Windows® Plug-and-Play compatible
- Industry-leading five-year North American warranty

The Express NTU™ is a full-featured single-port terminal adapter that allows cost-effective high-speed data transmission at rates up to 128 kbps. The Express NTU is ideal for LAN/WAN connectivity or disaster recovery.

ISDN service is delivered from the network by a single 2-wire U-interface which is connected directly to the Express NTU. The Express NTU responds to loopback commands from the telephone company central office to make testing easy.

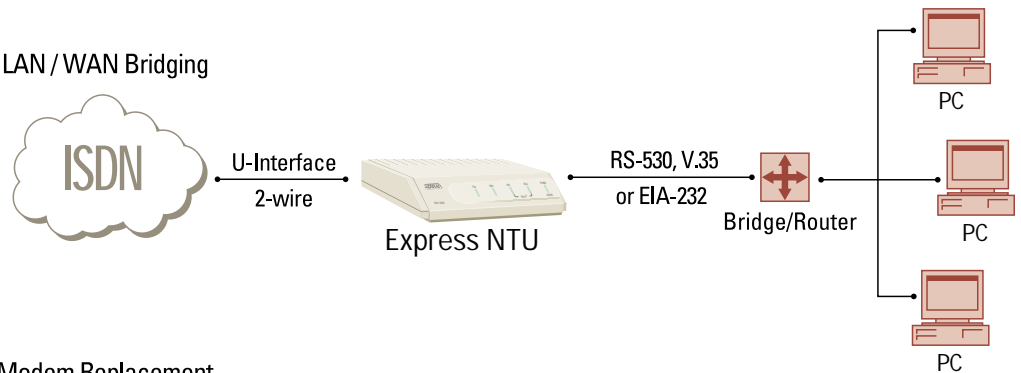
The Express NTU transmits data over an EIA-530, EIA-232 or V.35 DTE interface. The Express NTU performs at synchronous data rates of 2400 bps to 128 kbps and asynchro-

nous rates of 300 bps to 230.4 kbps. Network transmission at 128 kbps is supported using either multilink PPP or the Bonding delay equalization protocol.

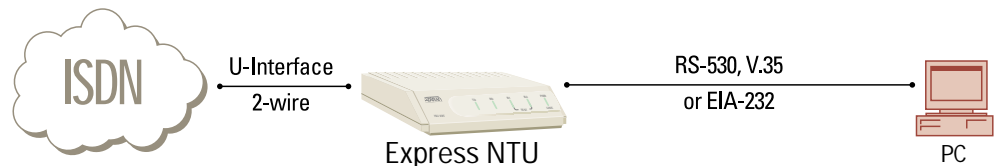
The Express NTU also supports dedicated leased 2B1Q services. This provides a dedicated point-to-point service with no dialing necessary.

The front panel of the Express NTU provides five LEDs that indicate the status of the product, line and DTE. Configuration, testing and monitoring of the unit can be accomplished through a VT100 terminal connected to the DTE port, or remotely over the ISDN line.

LAN / WAN Bridging



Modem Replacement





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Product Specifications

Network Interface

- RJ-45 for ISDN Basic Rate U-Interface

DTE Interface

- EIA-530, EIA232 or V.35

Dialing Selections

- Manual or automatic stored number dialing
DTR assertion
- **In-Band DTE Dialing:** V.25 bis, AT commands
- **Dial Interface:** RS-366

Data Rates (DTE)

- 2400 bps to 128 kbps synchronous
- 300 bps to 230.4 kbps asynchronous

Protocols

- CCITT V.120, T-LINK, SAP, Clear Channel, DSU 57.6
Async, Async to Sync PPP, Multilink PPP, BONDING
Mode 1, Fallback

Interoperability

- BONDING-compatible inverse multiplexers, Switched
56 DSUs, ISDN TAs, ISUs, PPP compatible routers

Switch Compatibility

- National ISDN-1, Lucent 5ESS™,
Nortel DMS-100™, NEC

Diagnostic and Testing

- Local and remote loopbacks, CCITT V.54 loopback,
2047 pattern, remote configuration

Agency Approvals

- FCC Part 15, Class B, FCC Part 68, UL, CUL,
CSA, and CS03

Environment

- **Operating:** 0° to 50°C (32° to 122°F)
- **Storage:** -20° to 70°C (-4° to 158°F)
- **Relative Humidity:** Up to 95%, non-condensing

Physical

- **Size:** 2.25" H, 7.5" D, 10.0" W
- **Weight:** 3 lbs.
- **Power:** +12 vDC, 8 W maximum dissipation

Product Includes

- One seven-foot RJ-45 telephone cable
- User Manual

Ordering Information

Equipment	Part #
Express NTU™, no P/S	1200200L1
Express NTU, 115 vAC	4200200L1
Express NTU, Euro 220 vAC	4200200L2
Express NTU, Australian 220 vAC	4200200L3
Express NTU, British 220 vAC	4200200L4



Express NTU Back

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