EXPRESS XL/XLT

ISDN Remote Access Device

FEATURES

- **ISDN Remote Access featuring IP Routing and Bridging**

- **Supports work-at-home, telecommuting, and remote office applications**

- **Ethernet connection supports multiple computers using one ISDN line**

- **Expert ISDN™ automatic SPID & Switch Detection (patent pending)**

- **Dial up the Internet, ISDN terminal adapters, and popular central site LAN access servers**

- **Data transfers up to 128 kbps without compression**

- **Stac® LZS™ Compression achieves even higher data rates**

- **Express XLT provides an analog phone port for your telephone, FAX or modem**

- **With the XLT, place and receive phone calls and transmit data simultaneously**

- **XLT supports custom calling features and Caller ID**

- **Built-in Network Termination**

- **Standard 5 year warranty**

The ADTRAN Express XL and the Express XLT are ISDN remote access devices featuring IP routing and bridging. An ethernet connection provides networking for multiple computers over one Basic Rate ISDN line. For low-cost, high-speed remote connectivity to corporate networks, the XL and XLT are designed for telecommuting, SOHO, and Internet access applications. The XL is a data only device, well-suited for small office connectivity, while the XLT provides an analog phone port for connecting a telephone, FAX, or analog modem. Both units come standard with built-in network termination and terminal adapter functionality.

ISDN setup can be difficult due to ISDN line parameters provided by the telephone company. Expert ISDN™, sophisticated patent pending algorithms, automatically detects phone company parameters such as switch type and SPID numbers.

The Express XL/XLT provides routing for IP packets and bridging for other LAN protocols and can perform these functions concurrently as well as individually. Extensive filtering capabilities allow for controlling bridged traffic, conserving bandwidth, and securing the local LAN. Quick setup configuration profiles contain predefined MAC, pattern, and IP filters for popular applications. Dial-on demand allows connections to automatically be established and disconnected based on thresholds and user demand.

By providing an ethernet interface, the Express XL/XLT allows for high speed connectivity that outperforms lower speed RS-232 devices such as traditional analog modems and terminal adapters. The combination of ISDN and Multilink PPP provides superior performance at 128 kbps. For even higher data rates, the unit supports STAC® LZS™ compression as a standard feature. Additionally, the Express XL/XLT compression interoperates with the Ascend compression used by many internet service providers.
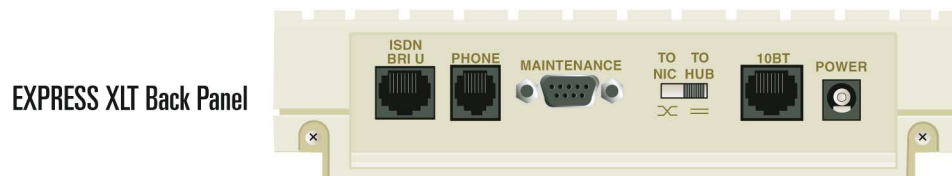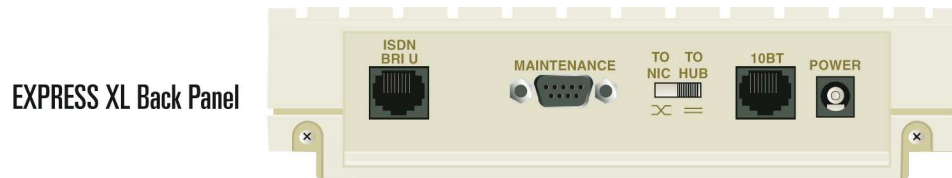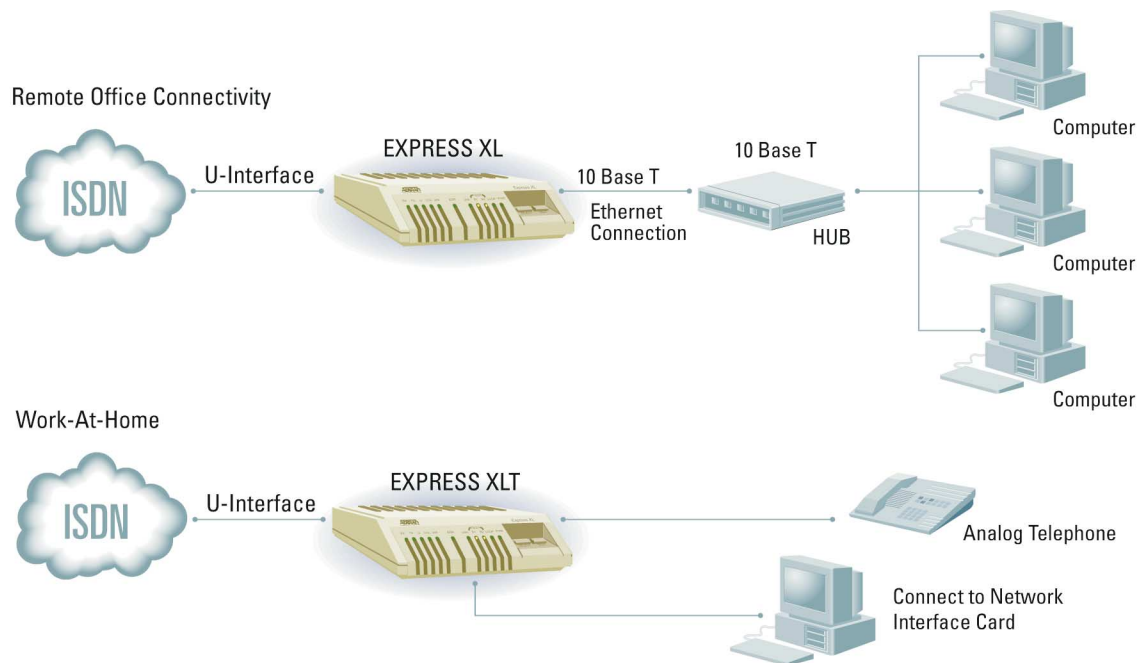
Today IP addresses are at a premium. The Express XL/XLT helps conserve IP addresses when a single computer is connected to the unit. In Single User IP mode, the XL/XLT allows dynamic address assignment from an ISP or central site router. This allows the computer and the Express XL/XLT to use one IP address instead of requiring two.

ADTRAN

For telecommuting applications, the Express XLT provides an analog phone port for connecting your telephone, FAX machine, or analog modem in addition to the ethernet connection for data transmissions. Over one ISDN line, you can talk on the phone and transmit data simultaneously. When transmitting data at a maximum throughput over both B channels, the Express XLT automatically detects calls on the analog port. Upon detection, the unit adjusts the speed of the data call to one B channel and accepts the analog/voice call on the other. Upon completion of the analog/voice call, the Express XLT automatically resumes data transfer over both B channels. It also supports custom calling features provided by your telephone company, such as Caller ID, DPI™ Defender™, Call Waiting, Call Forwarding, Hold, Transfer and Conference Calling.

Configuration of the unit is achieved through an easy to use VT100 menu system accessed through an RS-232 maintenance port or TELNET sessions over the LAN or WAN interface. The Express XL/XLT addresses the need for network security by supporting server and client password protection, PAP, CHAP, Caller ID, DPI™ Defender™ and Security Dynamics® SecurID®. In addition, the Express XL/XLT supports SNMP management using MIB II over the LAN and WAN interfaces.

Remote Office Connectivity

EXPRESS XL

ISDN
U-Interface
10 Base T
Ethernet Connection
10 Base T
HUB
Computer
Computer
Computer

Work-At-Home

EXPRESS XLT

ISDN
U-Interface
Analog Telephone
Connect to Network Interface Card

EXPRESS XL Back Panel

ISDN BRI U   MAINTENANCE   TO NIC   TO HUB   10BT   POWER

EXPRESS XLT Back Panel

ISDN BRI U   PHONE   MAINTENANCE   TO NIC   TO HUB   10BT   POWER

Product Specifications

Network Interface
- RJ-45 for ISDN Basic Rate U-interface (built-in NT1) 128,000 bps

ISDN Standards
- National ISDN-1, AT&T 5ESS, NTI DMS-100

LAN Interface
- Ethernet 10 Base-T (RJ-45)
- IEEE 802.3

Routing and Bridging
- IEEE 802.1D MAC Bridging and Spanning Tree Filtering Capabilities

Protocols
- TCP/IP, RIP, UDP, ICMP, ARP, LCP, IPCP, BCP, PPP, Multilink PPP, TFTP, TELNET, BootP Server

WAN Optimization
- Dial on Demand
- Dynamic Bandwidth Management

Compression
- CCP with Stac® LZS™ compression
- Compatible with Ascend® compression
- Compatible with Windows® 95 compression

Security
- PAP, CHAP, Caller-ID, Password Protection, DPI™Defender™ and SecurID® Supported

Analog Port (XLT only)
- One RJ-11 REN = 5
- Rings up to 5 phones within100 feet
- Supports Custom Calling features and Caller ID

Configuration
- VT 100 terminal interface
- Local: RS-232 interface
- Remote: TELNET or SNMP MIB-II

Diagnostics and Maintenance
- Loopbacks
- Ping Utility
- Remote Management via SNMP and TELNET
- FLASH Upgradable Locally and Remotely

Physical
Size
- 1.58" H, 8.25" D, 6.5" W

Weight
- 9.5 oz

Power
- 115VAC, 60Hz, 8W

Environmental
Operating Temperature
- 0°C to 50°C
- 32°F to 122°F

Storage Temperature
- -20°C to 70°C
- -4°F to 158°F

Relative Humidity
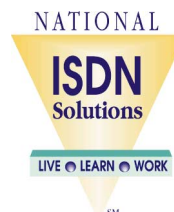- Up to 95%, non-condensing

Product includes
- Express XL or Express XLT
- 110V Wall Mount Power Supply
- User Manual
- 6 Foot CAT-5 10-Base-T Cable
- 6 Foot RJ-45 Cable

Ordering Information

ISDN Ordering Codes are available to aid in ordering ISDN lines for this product.

EQUIPMENT	PART NO.
Express XL, data only	1200070L1
Express XLT w/One Analog Port	1200070L2

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I.S. EN ISO 9001

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Expert ISDN™

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Solutions
LIVE ● LEARN ● WORK
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