



# EXPRESS L1.5

## HDSL CAMPUS CONNECTIVITY

### PRODUCT FEATURES

- HDSL remote access at 1.5 Mbps
- RFC 1490 Frame Relay encapsulation for virtual dedicated access
- IP and IPX routing
- Concurrent bridging
- Internet and central site LAN access via Frame Relay
- Campus connectivity
- Frame Relay or PPP mode
- Six levels of security
- NIC/HUB switch eliminates need for cross-over cables
- SNMP management
- Extensive logs provide operational feedback
- PAP, CHAP, EAP, Radius, Caller-ID, password protection
- Five-year warranty

The ADTRAN Express L1.5 is an HDSL bridge/router that connects LAN segments or provides remote access to a computer or network over two twisted pairs of copper. The ADTRAN Express L1.5 is designed to work back-to-back as a cost-effective LAN extension device.

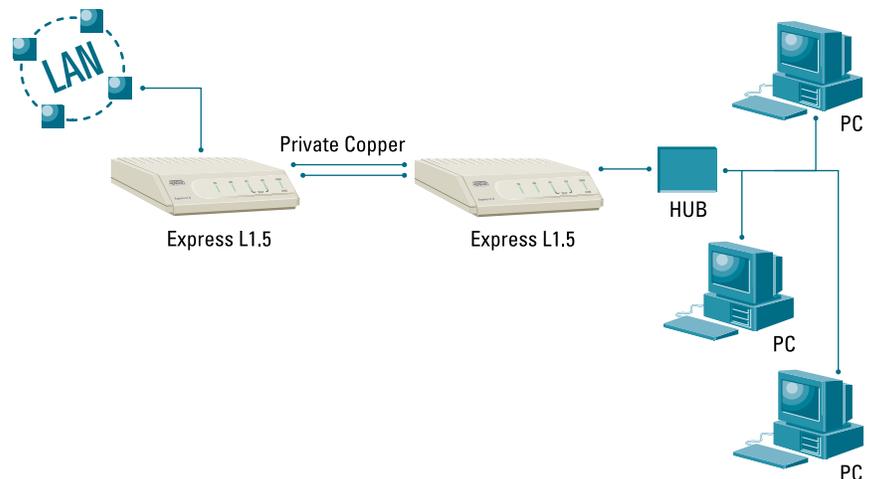
The Express L1.5 provides a cost-effective campus connectivity solution. When used in a leased copper setting, the Express L1.5 delivers 1.536 Mbps bi-directionally over two twisted pairs of copper. The Express L1.5 is also capable of transmitting at sub-rates ranging from 128 kbps to 1.536 Mbps. This solution can be used to extend a LAN or provide remote access to a single user or LAN segment. When used in the sub-rate mode, the Express L1.5 can be used with a single pair of twisted copper.

Six levels of security in the Express L1.5 provide a wide selection of security options. Network Address Translation (NAT) allows a single IP address to be downloaded through Dynamic Host Configuration Protocol (DHCP) to the Express L1.5. Up to ten users can have a private IP network address downloaded from the L1.5.

The Express L1.5 can route IP and IPX packets and bridge all other protocols. Routing and bridging can be performed independently or concurrently. The Express L1.5 can operate in the Frame Relay mode providing up to ten PVCs or in a PPP mode over the LAN.

Five LEDs provide constant feedback about the L1.5's operation. A unique slide switch on the rear panel eliminates the need for separate cables when connecting to a HUB or NIC card. Extensive logs are provided to monitor the operation of the Express L1.5.

Telnet, SNMP, and a serial EIA-232 port provide multiple methods of configuration and management.



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# Product Specifications

## NETWORK INTERFACE

- RJ-45 for ISDN Basic Rate HDSL 1.5 Mbps

## LAN INTERFACE

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

## ROUTING AND BRIDGING

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

## PROTOCOLS

### IP:

- TCP, RIP V1 and V2, UDP, ICMP, DHCP, ARP, UDP Relay, SYSLOG

### IPX:

- IPX, RIP, SAP

### PPP:

- LCP, IPCP, BCP, IPXCP

## NETWORK ADDRESS TRANSLATION

- DHCP for IP address assignment

## FRAME RELAY

- RFC 1490 Frame Relay Encapsulation

## PACKET FILTERING

- Pattern, IP, IPX, Bridge

## SECURITY

- PAP, CHAP, EAP, Radius, Caller-ID, Password Protection

## CONFIGURATION

- VT100 terminal interface
- Local: EIA-232 interface
- Remote: Telnet or SNMP MIB-II, Enterprise MIB

## DIAGNOSTICS AND MAINTENANCE

- Loopbacks
- Ping Utility
- FLASH Upgradable— Local and Remote
- Telnet Client and Server
- TFTP Client and Server
- DHCP/Boot Server, SNMP V1 MIB II, Enterprise MIB, TRAPS
- Performance Logs

## PHYSICAL

### Size

- 1.5" H, 6.25" D, 9" W

### Weight

- 9.5 ounces

### 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 L1.5
- 110V Wall Mount Power Supply
- 6-Foot CAT-5 10Base-T Cable
- 6-Foot RJ-45 Cable
- ADTRAN Utility Software
- User Manual

# Ordering Information

## EQUIPMENT

## PART #

Express L1.5, data only .....1202192L2

Specifications subject to change without notice.

