



BLACK BOX[®]

NETWORK SERVICES

Express L768

Key Features

- ▶ SDSL remote access at 768Kbps
- ▶ RFC 1490 Frame Relay encapsulation for virtual dedicated access
- ▶ IP and IPX routing and 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 L768 is an SDSL bridge/router that connects LAN segments or provides remote access to computers over a single twisted pair of copper. The Express L768 is designed to work back-to-back over private copper as a cost-effective LAN extension device. When the Express L768 is used in conjunction with ADTRAN FramePort™ products, it becomes a cost-effective end-to-end SDSL remote access/Internet access solution.

The Express L768 provides a cost-effective campus connectivity solution. When used in a leased copper setting, this product delivers 768 kbps bi-directionally over a single twisted pair of copper. The Express L768 also transmits at sub-rates ranging from 128 kbps to 768 kbps. This solution can be used to extend a LAN or provide remote access to a single user or LAN segment.

The Express L768 can also be used as a means to provide Internet access in a campus or strip mall setting. Bundling the Express L768, FramePort D4 cards and a channel bank creates a cost-effective Internet access solution. FramePort, a standard D4 channel bank card, works in conjunction with a

non-channelled T1 to provide Frame Relay access to the Internet. A single T1 provides simultaneous access to the Internet for up to 24 Express 768 devices.

Six levels of security in the Express L768 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 L768. Up to ten users can have a private IP network address downloaded from the Express L768.

The Express L768 can route IP and IPX packets and bridge all other protocols, independently or concurrently. The Express L768 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 Express L768 operation. A unique slide switch on the rear panel of the Express L768 eliminates the need for separate cables when connecting to a HUB or NIC card. Extensive logs are provided to monitor operation. Telnet, SNMP, and a serial EIA-232 port

provide multiple methods of configuration and management.

Specifications

Network Interface—

- RJ-45 for ISDN Basic Rate SDSL 768,000 bps (1 loop HDSL)

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

Storage Temperature — -20° C to 70° C

Relative Humidity —

Up to 95% non-condensing

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 seconds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-to-end service.

On-line — receive technical knowledge on-line, including technology overviews, BLACK BOX Explains and the Knowledge Box.

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The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

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Complete Package

- Express L768
- 110V Wall Mount Power Supply
- User Manual
- 6-Foot CAT-5 10Base-T Cable
- 6-Foot RJ-45 Cable
- ADTRAN Utility Software

Ordering information

ITEM

CODE

Express L768 with Euro-Cable	MDS-L768
Express L768 without Power Supply	MDS-L768-WP