Express 6100 Series

IDSL Remote Access Routers

Product Features

- xDSL leased service at symmetrical data rates of 64, 128 or 144 kbps

- High-speed Internet access for telecommuters and small businesses

- Local loop range up to 30,500 feet without the use of in-line repeaters

- Remote management

- Plug-and-Play Installation

- Express 6120™ includes integral 4-port Ethernet hub

- Support for NAT and DHCP

- Easy configuration from a Web browser, Telnet or VT 100

- Standard 5-year warranty

The ADTRAN Express 6100™ Series is an IDSL family of remote access routers that provides 144 kbps of high-speed Internet access. The dedicated nature of IDSL provides telecommuters and small businesses an always-on connection for high bandwidth applications.

Using a standard line coding, the Express 6100 Series routers can use previously installed telephone wire to connect to a central office at a range of 18,000 feet. ADTRAN Total Reach® can be used to extend that range to 30,500 feet without the addition of repeaters.
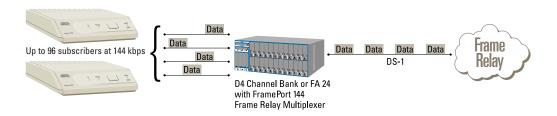
The Express 6100 Series consists of two products; the 6100 with a 10BaseT interface for data connection, and the 6120 with a built-in 4-port LAN hub. Both units are fully compatible with ADTRAN's FramePort™ products.

The FramePort product series integrates concentration technology with the latest loop technology to reduce the costs of deployment to less than half of today's costs. The FramePort units may function as a hub in a central office or office park complex, affording concentration to levels of 12:1 over a single DS-1.

The ability to support multiple rates allows the service provider to start a customer at 64k and increase the rate as the customer's bandwidth requirements grow. Customers can pay only for what they need and service providers can be flexible enough to adjust DSL speeds easily.

With IP addresses at a premium, the Express 6100 series products use Network Address Translation (NAT) to conserve addresses. NAT allows the Express 6100 series to simultaneously translate multiple computer LAN addresses to a single IP address. IP addresses can be assigned automatically through DHCP.

The units can be configured with an internal Web configurator or any VT 100 terminal via the EIA-232 maintenance port. Telnet and SNMP are also supported.

Up to 96 subscribers at 144 kbps

Data
Data
Data
Data

D4 Channel Bank or FA 24
with FramePort 144
Frame Relay Multiplexer

Data Data Data Data

DS-1

Frame Relay

ADTRAN

ADTRAN is a
ISO 9001 registered company.

ADTRAN is a
TL 9000 registered company.

Express 6100 Series

IDSL Remote Access Routers

Product Specifications

WAN Interface
- IDSL 2-wire twisted pair (RJ-45)
- 2B1Q modulation
- IDSL rates: 64, 128, 144 kbps

LAN Interface
- 10 Mbps 10BaseT Ethernet (RJ-45)
- IEEE 802.3
- 4 Port Ethernet hub (6120)

Routing
- Route IP
- Route Ethernet II, Ethernet_802.3 (Raw), Ethernet_SNAP IPX Frame types
- RIP V1 and V2
- DHCP server
- NAT
- UDP Relay
- Proxy ARP

Bridging
- IEEE 802.1D MAC bridging
- PPP BCP
- Proxy ARP

PPP
- VJ header compression
- hi/fn LZS compression
- Filtering

Frame Relay
- RFC 1490
- Types: Annex D, Annex A, LMI Static

Security
- Radius
- PAP
- CHAP
- EAP
- Packet Filtering: MAC, Pattern, IP (address or port), IPX (address or socket)
- Password protection for Telnet, web interface and local craft interface
- Telnet and web user list with security level privileges
- SNMP V1 (community name)

Configuration and Administration
- Autodiscovery of Layer 2 protocol
- Administration via SNMP, Telnet, embedded web interface or local craft interface
- Built-in ping utility
- Event logs
- Upload/download new software locally via XMODEM or Ethernet, or remotely via TFTP

Agency Approvals
- Emissions: Part 15 Class B
- Safety: UL 1950, CUL
- Telecom: FCC Part 68, Industry Canada CS-03

Environment
- Operating: 0º to 50ºC (32º to 122ºF)
- Storage: -20º to 70ºC (-4º to 158ºF)
- Relative Humidity: Up to 95%, non-condensing

Physical
- Dimensions:
  6100: 1.45" H x 6.63" W x 4.00" D
  6120: 1.50" H x 9.00" W x 6.25" D
- Weight:
  6100: 12.8 oz
  6120: 9.5 oz
- Power: 115 VAC, 60 Hz, 8 watts

Product Includes
- Express 6100™ or 6120™
- 110V wall mount power supply
- 6-Foot 10 BaseT crossover cable (6100)
- 6-Foot 10 BaseT cable (6120)
- IDSL network cable
- CD – includes manual and utility software

Ordering Information

Equipment	Part #
Express 6100™	1200176L1
Express 6120™	1200176L4