Express 3000 Series

ISDN Modems with 2 Phone Ports

Product Features

- High-speed network access for remote office and Internet connectivity using ISDN

- Asynchronous and synchronous (3010 only) RS-232 interface

- Expert ISDN™ automatic SPID and switch detection

- Two analog POTS ports

- Place and receive phone calls while transmitting data

- Hifn LZS compression

- Supports custom calling features and Caller ID

- Remote configuration

- Easy configuration via AT commands or VT100 interface
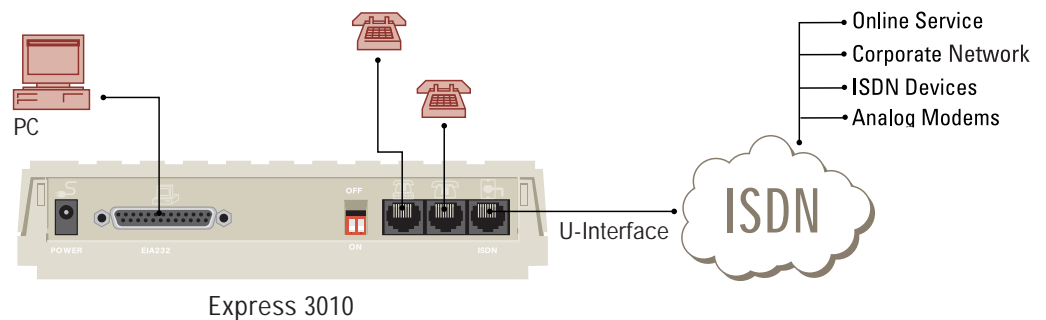
- Flash upgradable

- Standard five-year warranty

The ADTRAN Express™ 3000 series is a family of ISDN modems that are ideal for remote access and corporate connectivity. The series is capable of transmitting data at speeds up to 230.4 Kbps, when using hi/fn compression or up to 512 Kbps when using Microsoft compression. They include both ISDN terminal adapter and network termination (NT1) functionality.

Configuring the Express series is fast and simple. ADTRAN's patented Expert ISDN™ automatically detects the telephone company parameters such as Switch Type and SPID numbers. In areas where the telephone company automatically downloads this information to the modem, the units becomes plug-and-play with the ISDN line.

The Express series supports two analog devices such as telephone, fax machine, or analog modem in addition to the computer connection for data transmissions on the Express 3000. When transmitting data at maximum throughput over both B Channels using Multi-link PPP, the unit automatically detects calls on analog port number 1. Upon detection, the data speed is adjusted to 64 Kbps using the B2 Channel and accepts the analog/voice call, on the B1 Channel. Upon completion of the analog/voice call, the data automatically resumes transfer over both B Channels.

Remote configuration allows MIS managers the flexibility of adjusting the configuration of remote units over the ISDN line. The Express transmits data over an RS-232 interface and transfers synchronous data at rates from 2400 bps to 128 Kbps (Express 3010 only) and asynchronous data at rates from 1200 bps to 230.4 Kbps. At rates over 64 Kbps, BONDing or MLPPP is used to synchronize the data across the two B Channels. Configuration of the unit is achieved using a VT100 interface or AT commands. Dialing is initiated in-band over the RS-232 interface using AT commands, V.25 bis or DTR assertion.

Express 3010

Express 3000 Series

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Product Specifications

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

DTE Interface
- EIA-232 (DB-25)
- Modem pass through port (3000 only)

DTE Data Rates
- 1.2 to 230.4 Kbps asynchronous
- 2400 to 128 Kbps synchronous (3010 only)

Compression
- Hifn LZS per PPP standard
- Compatible with Ascend® compression
- Compatible with Windows® 95/98 compression

Protocols
- Multi-link PPP
- ITU-T V.120
- Clear Channel
- Async BONDING
- Shiva PAP
- AODI/BACP (3000 only)

ISDN Switch Compatibility
- National ISDN-1
- Lucent 5ESS®
- Nortel DMS-100™

Dialing Selections
- AT commands
- DTR assertion
- V.25 bis (3010 only)

Diagnostics and Testing
- Network loopback
- Remote configuration

Analog Ports
- Two standard RJ-11 (REN = 3)
- Each port rings up to three phones within 500 ft

Custom Calling Features
- Stutter dial tone
- Three- and six-way conferencing
- Call forwarding
- Reminder ring
- Auto call back
- Distinctive ring
- Caller ID
- Implicit transfer
- Visual message waiting indication (Custom calling features must be provided by telephone company)

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

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

Physical
- **Dimensions:** 1.45" H, 4" D, 6.63" W
- **Weight:** 12.8 oz
- **Power:** 110 V, 8 W

Product Includes
- 110 V wallmount power supply
- CD ROM
- One cable to connect ISDN line

Ordering Information

Equipment	Part #
Express™ 3000	1203153L2
Express™ 3010	1200239L1

Express 3000 rear panel

Express 3010 rear panel