Octal BRI/U

ATLAS 800 Series Module

Product Features

- Eight Basic Rate ISDN U-Interfaces

- LT mode and NT mode support

- ANSI T1.601 compliant

- Compliant with Lucent 5ESS, Nortel DMS100, and National ISDN

- Near-end and Far-end block error monitoring

- Maximum distance of 18,000 feet

- Occupies a single slot in the ATLAS chassis

- Hot swappable

- Industry-leading five-year North American warranty

The ADTRAN® ATLAS™ includes an advanced access architecture for switching dial-up calls to specific ports or DS0s. The Octal Basic Rate ISDN (BRI) module contains eight ISDN U-Interfaces and combines with other ATLAS components to implement an ISDN access switch. The Octal BRI module can connect to the ISDN network (NT mode), or it can emulate the ISDN network to other ISDN access devices (LT mode) that support the U-Interface, such as terminal adapters and network termination units.

As a component in an ATLAS access switching application, the Octal BRI module can consolidate multiple Basic Rate ISDN (BRI) connections onto T1/PRI access lines. The module also supports BRI-to-BRI and BRI-to-PRI switching. In addition, ATLAS converts between ISDN D-Channel (PRI or BRI) and T1 robbed bit signaling, allowing non-ISDN equipment to access a more efficient PRI or BRI facility. Moreover, the module's call filtering feature allows you to program on a per-user basis, the call types that will be answered and originated.

Single B-Channel ISDN calls can be directed to synchronous V.35 ports operating at 56 kbps or 64 kbps. For asynchronous applications, ISDN calls can be routed to EIA-232 ports on the Async-232 module.

The Octal BRI module can be configured through a variety of mechanisms, including Telnet or VT100 emulation. SNMP management is supported for alarm and event reporting.

The Octal BRI module includes an extensive array of diagnostic tools to assist in identifying and correcting network problems including a built-in Self-Test utility, local and remote loopback testing for B1, B2, and 2B+D, and performance monitoring to ensure the quality of the ISDN line.

ADTRAN®

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ATLAS™ 800 Series Module

Product Specifications

ISDN Interface
- ANSI T1.601-1992 2B1Q U-Interface

Physical Interface
- 8-Pin Modular RJ45

BRI Line Rate
- 2B+D, 160 kbps full duplex

U-Interface Distance
- 18,000 feet with 1,300 ohm resistance design

Switch Compatibility
- Lucent 5ESS, Nortel DMS-100, National ISDN

Termination Modes
- LT (Network Emulation)
- NT (DCE)

Diagnostics
- Self-test
- B1, B2, & 2B+D Local and Remote Loopbacks

Performance Monitoring
- Near-End Block Errors (NEBES),
  & Far-End Block Errors (FEBES)

Agency Approvals
- FCC Part 15, Class A, FCC Part 68, UL,
  Canadian UL (CUL), Industry Canada CS-03

Environment
- **Operating:** 0 to 45°C (32 to 113°F)
- **Storage:** -20 to 70°C (-4 to 158°F)
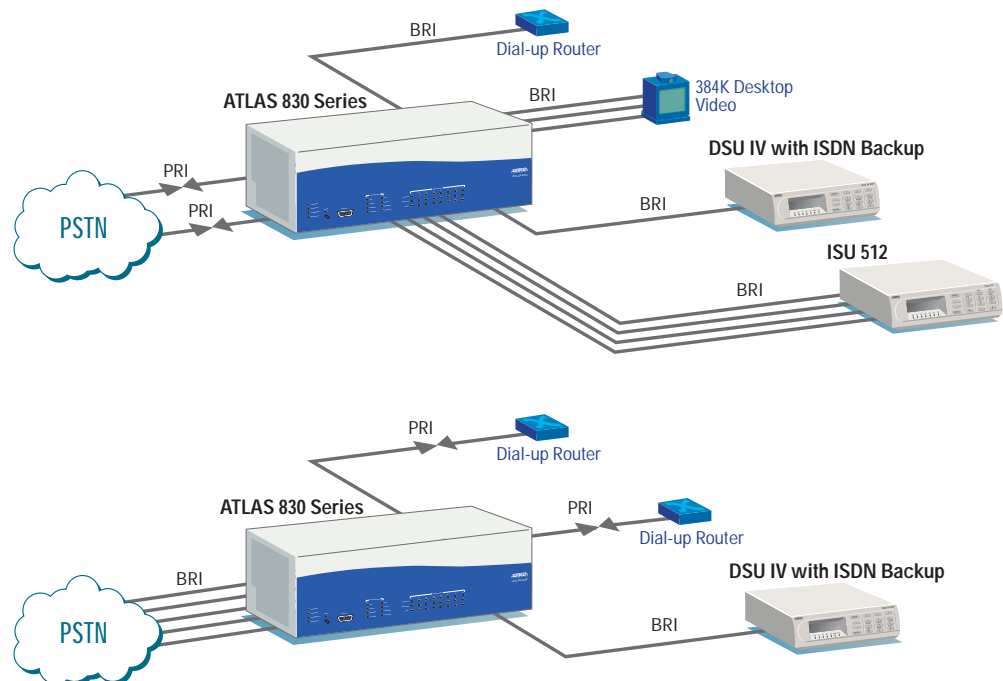- **Relative Humidity:** Up to 95%, non-condensing

Power
- 7.5 Watts

Product Includes
- Eight RJ45 to RJ11 Cables (7 feet)
- User Manual

Ordering Information

Equipment	Part #
Octal BRI/U Module	1200186L2