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Find the *Adtran ISU 2x64-S* at our website: *Click HERE*



ISU 2x64

Dual Port ISDN Service Unit

Product Features

- Supports video conferencing and audio broadcasting at 128 kbps and dual modem replacement
- Uses a single ISDN line to support two independent applications simultaneously
- Dual DTE interfaces support data rates up to 64 kbps sync and 57.6 kbps async simultaneously
- Single DTE interface supports data rates up to 128 kbps sync using Multilink PPP or BONDING
- Compatible with Lucent 5ESS, Northern Telecom DMS-100, NEC, and National ISDN-1 switches
- Supports remote configuration over the ISDN line or externally
- Dual Port ISDN Terminal Adapter with integrated NT1
- Uses standard ISDN Basic Rate service
- Provides U-Interface lightning protection
- Compatible with Windows® Plug and Play
- Industry-leading five-year North American warranty

The ADTRAN® ISU™ 2x64 is a standalone ISDN Service Unit that connects data terminal equipment to the ISDN network. The ISU 2x64 is a dual port ISDN Terminal Adapter with an integrated NT1. The unit provides a cost-effective solution for the transfer of data and images over a single ISDN line.

The ISU 2x64 can be viewed as a dual modem that supports two applications, simultaneously and independently, up to 64 kbps on each DTE interface. For high speed applications over 64 kbps, a single DTE interface can achieve rates up to 128 kbps. Target applications for the ISU 2x64 unit include video conferencing and audio broadcasting at 128 kbps, as well as dual modem replacement.

The ISU 2x64 responds to loopback commands from the telephone company Central Office for network testing. An S/T interface version of the ISU 2x64 is also available for applications that do not require an internal NT1.

The ISU 2x64 features dual RS-530/EIA-232 DTE interfaces and dual RS-366 dial interfaces. An S-530A/EIA-232-to-V.35 adapter is available to support V.35 DTE interfaces.

A single DTE interface supports synchronous data transfer rates from 2400 bps to 128 kbps and asynchronous rates from 1200 bps to 115.2 kbps. When using dual DTE interfaces, synchronous data transfer rates from 2400 bps to 64 kbps and asynchronous rates from 1200 bps to 57.6 kbps are supported. For speeds over 64 kbps using a single DTE interface, the industry standard Multilink PPP or BONDING delay equalization protocols aggregates the two 64 kbps B channels for a maximum of 128 kbps.

Dialing from the ISU 2x64 is accomplished by using the front panel, stored numbers, DTR assertion, AT commands, or V.25 bis in-band dialing. Dual RS-366 parallel dial interfaces are also provided, which can be used for applications such as videoconferencing.

The front panel of the ISU 2x64 consists of a two-line by 16-character display, seven LEDs, and a 16-button keypad. This allows for configuring, dialing, testing, and monitoring of the unit without a data terminal or test equipment. AT commands may also be used for configuration and status monitoring.

In addition, the ISU 2x64 can be configured and maintained locally or remotely using a VT100 terminal interface. For remote configuration, the unit can be accessed over the ISDN or externally through the maintenance port on the back panel.

ADTRAN®

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ADTRAN is an ISO 9001, ISO 14001, and a TL 9000 certified supplier.

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ISU 2x64

Dual Port ISDN Service Unit

Product Specifications

Network Interface
- RJ-45 for ISDN Basic Rate U-Interface or S/T-Interface

DTE Interface
- Two DB-25: each RS-530A/EIA-232 interfaces
- V.35 interfaces available with RS-530A/EIA-232-to-V.35 adapters

Dialing Selections
- Dial Interfaces: two RS-366 interfaces
- In-band DTE dialing: V.25 bis or AT commands
- Manual or automatic stored number dialing
- DTR assertion

Switch Compatibility
- Lucent 5ESS, NTI DMS-100, NEC
- National ISDN-1

Diagnostics and Testing
- Local and remote loopbacks
- CCITT V.54 Loopback
- Remote configuration

Data Rates (DTE)
Using single DTE interface
- 1200 bps to 115.2 kbps asynchronous
- 2400 bps to 128 kbps synchronous

Dual DTE Interfaces
- 1200 bps to 57.6 kbps asynchronous
- 2400 bps to 64 kbps synchronous

Data Rates (Network)
- 64 kbps (1 B channel)
- 128 kbps (2 B channels)

Protocols
- CCITT V.120, T-LINK, SAP, Clear Channel, DSU 57.6 Async, BONDING Mode 1, Fallback, Async to Sync PPP, RFC1717 Multilink PPP

Interoperability
- BONDING compatible inverse multiplexers
- Switched 56 DSUs, ISUs, ISDN TAs, and PPP-compatible routers

Environmental
- **Operating Temperature:** 0° to 50°C, 32° to 122°F
- **Storage Temperature:** -20° to 70°C, -4° to 158°F
- **Relative Humidity:** Up to 90%, non-condensing

Physical
Dimensions
- Standalone: 2.25" H, 7.5" W, 10" D

Weight
- Standalone: 3.6 lbs

Power
- 115 vAC, 60 Hz
- 8 watts max dissipation

Product Includes
- ISU 2x64
- 7 foot telephone cable (RI45 to RI11)
- User Manual

Ordering Information

Equipment	Part #
ISU 2x64 U-Interface, 115 vAC	1200051L1
S/T-Interface, 115 vAC	1200051L2
RS-530 to V.35 adapter cable	1200072L1



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