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



ISU 2x64

Dual Port ISDN Service Unit

Product Features

- Dual Port ISDN Terminal Adapter
- Uses standard ISDN basic rate service
- ETS 3000 12/ITU-TI.430 S/T-Interface standards
- 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 AT&T 5ESS, NEC, VN3, ITR6, TPN1962, KDD, Euro-ISDN, TDX10 and TDX1B switches
- Supports remote configuration over the ISDN line or externally
- Compatible with Windows® Plug and Play

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. 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 unit include video conferencing and audio broadcasting at 128 kbps, as well as dual modem replacement.

For network testing, the unit responds to loopback commands from the telephone company Central Office.

The ISU 2x64 features dual RS-530/RS-232 DTE interfaces and dual RS-366 dial interfaces. An RS-530A/RS-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 BONDING delay equalization protocol or Multilink PPP aggregates the two 64 kbps B channels for a maximum of 128 kbps.

(Continued on back.)

Application Examples



Videoconferencing

- Replaces two SW56 DSUs where ISDN is available
- Interoperates with 2 SW56 DSUs



Dual Modem Replacement

- Two simultaneous applications communicating with different locations



Audio Broadcasting

- Replaces two SW56 DSUs where ISDN is available
- Interoperates with 2 SW56 DSUs

www.adtran.com/global

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ISU 2x64

Dual Port ISDN Service Unit

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. The ISU 2x64 provides dual RS-366 parallel dial interfaces, 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.

Product Specifications

Network Interface
- RJ-45 for ISDN S/T-Interface

DTE Interface
- **Two DB-25:** each RS-530A/RS-232 interfaces
- V.35 interfaces available with RS-530A/ RS-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
- AT&T 5ESS, NEC, VN3, ITR6, TPH1962, Euro ISDN, KDD, TDX10, TDX1B

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
- V.120, V.110, 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

Certifications
- FCC Part 15 Class A, FCC Part 68, CISPR 22 Class A, EN 55022 Class A, EN 50082-1 IEC 801-2,3,4), UL, CUL, CSA, CS03, EN60950, I-CTR 3, CE MARK

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:** 2.25" H, 8.75" W, 11" D
- **Weight:** 3.6 lbs
- **Power:** 220 VAC, 50 Hz, 8 watts max dissipation

Product Includes
- ISU 2x64
- 7 ft. telephone cable (RJ45 to RJ11)
- User Manual

Ordering Information

Equipment	Part #
ISU 2x64 w/220 VAC Power Supply, S/T-Interface	1200051L6
ISU 2x64 w/U.S.110 VAC Power Supply, S/T-Interface	1200051L5
ISU 2x64 w/220 VAC Power Supply U-Interface	1200051L3
ISU 2x64 w/110 VAC Power Supply, U-Interface	1200051L1
RS-530 to V.35 Adapter	1200072L1

ISDN Ordering Codes are available to aid in ordering ISDN lines for this product



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