

DSU IV ESP

Product Features

- Supports DDS rates from 2.4 to 64 Kbps including 19.2 and 38.4 Kbps
- 4-wire Switched 58 operation
- Embedded SNMP and Telnet
- Control port provides SLIP/PPP access to SNMP or VT100 terminal configuration
- Two ESP option slots
 10BaseT Ethernet SNMP access port available
- with ESP ethernet card

 Automatic or manual
 dial backup with
- option modules

 Time of day and weekend dial backup lockout options
- Industry-leading five-year North American warranty

All-Rate DSU with SNMP and Dial Backup

The ADTRAY DSU IVESP' is an all-rate data service death are verice until DSU/CSU) with an integral SNMP (simple network management protocol agent and eptional dial backup (DBU) capabilities. It provides an interface between digital data service (DBS) or 4-wire Suchted 56 and the customer's data terminal equipment (DTE). The SUM IVESP provides access to traditional dedicated point- to-point, multi-point, or Frame Relay services.

The unit supports synchronous (2.4, 4.8, 9.6, 19.2, 38.4, 56, and 64 Kbps) and asynchronous (2.4, 4.8, 9.6, 19.2, 38.4, and 57.8 Kbps) data rates. Both EIA-232 and V.35 physical interfaces are provided for connection to the customer's DTE equipment.

Embeded SNMP and Tentes are wealthish trough SLIP (seeff line internet protocol) or PPF (point to point potocol) using the integrated control point to point a point and point in the point to Point potocol) using the integrated control point of though an optional tollasse I enternet poer when configured with pelop in 1879 efforter co.d. Through the Management Information that the DSIII (1980) and the point in 1870 efforter co.d. Through the Management Information and Management programs such as IP to OpenView," Netview," and SunNet Managem.

The Dial Backup (DBU) feature of the DSU IV ESP allows automatic or manual switched backup in the event of a dedicated line failure. The addition of DBU is accomplished through a family of plug-in ESP DBU cards. There are three versions of ESP DBU cards available for the DSU IV ESP-ISDN.

4-wire Switched 56, and V34 analog (max. 33.6 Kbps). Upon recognition of a failure(s), the unit connects to the remote end using the switched network. The user can choose whether the unit automatically or manually revers to the dedicated circuit when it is restored. Optional weekend and time of day DBU lockup ontions are provided.

The unit responds to standard loopback commands from the telephone company central office. In addition, there are several built-in itset capabilities. Complete control, configuration, and diagnosis are available through a 16 key keypad and a two-line by 16-chances (e. 150 kplsp., AVT100 terminal configuration and control mode is also available through to control port. Flash download capability allows for quick and easy installation of new features and enhancements.







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DSU IV ESP

All-Rate DSU with SNMP and Dial Backup

Product Specifications Operating Modes

Dedicated DDS (point-to-point, multipoint)

Switched 56 (4-wire) ■ ISDN (1B+D)

PSTN (V.34 analog)

Network Data Rates ■ Dedicated mode service rates: 2.4, 4.8, 9.6, 19.2,

38.4, 56, and 64 Kbps Switched mode service rate: 56 Kbps Dial backur: Switched 56 (56 Khos). V.34 (2.4 - 33.6 Khos). ISDN (56 or 64 Khos)

DTE Rates Provided ■ DTE rates match service rates

■ DTE-to-loop rate matching in both dedicated and switched modes

Synchronous rates: 2.4, 4.8, 9.6, 19.2, 38.4, 56,

Asynchronous rates: 2.4, 4.8, 9.6, 192, 38.4. and 57.6 Kbps

DTF Interfaces ■ Both EIA-232 and V25 electrical and physical

DTE interfaces SNMP SNMP & Telnet

Integrated SLIP/PPP (async) port Physical Connector BJ-48S and DB-25 ■ Dotional 10BaseT interface with ESP Ethernet Card

MIB II RFC 1213 complaint Clocking

Normal DDS or private network tributary (slaved to network receive clock) Private network master (internal)

Normal DDS tail circuit Private network master (slaved to external clock)

Switched Mode Dialing Options Stored number

Front panel keypad DTR dialing of stored numbers ■ In-band AT commands V.25 bis in-band dialing

Diagnostics Network: CSU and DSU loopbacks ■ User: Local DTE and loop, remote V.54

■ Test Patterns: 2047, 511, DDS stress patterns 1-4 Specifications selded to change without notice, CEU IV ESP is a tradomeric of ADTRAN, Inc. ACTRAN is a registered fredomark of in this publication are the property of their respective owners.

Line Requirements Loop transmission parameters as defined in:

· AT&T PUB 62310: Dadicated DDS AT&T PUB 41468: Switched 56

. Sprint TS 0046: Switched 56 Line Interface

■ R 1_48¢ . A.wire

Full duplex

Receiver Sensitivity ■ -45 dB at all rates

Agency Approvals FCC Part 15

> Class A Part 68 Industry Canada CS03

■ III and CIII Environment

Weight 45 hs

 Operating: 0 to 50°C (32 to 122°F) Sterage: -20 to 70°C (-4 to 158°F)

Relative Humidity: Up to 95%, non-condensing **Physical** Dimensions: 10.4°D x 8.0°W x 2.4°H

■ Power 115 VAC 60 Hz 5 W Product Includes ■ Two 8-pin to 8-pin modular cables Modular to female DB-25 adapter

Bloor Manual OTT TO SE

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Equipment	Pest #
DSU IV ESP	1284011L1
ESP Ethernet Card	1204005L1
ESP 4-wire Switched 56 DBU Card	1204001L1
ESP V.34 DBU Card	1204002L2
ESP ISDN DBU Card	1204004L1
19" Dual ESP Shelf	1200202L1
Dual ESP Blank Cover	1200202L2



