

DSU III S4W

Switched 56 DSU/CSU



FEATURES

- **4-wire Switched 56**
- **Manual, automatic, AT commands, V.25 bis, EIA-366, or stored number dialing capability**
- **Standalone or Smart 16/16e rackmount versions**
- **Synchronous or asynchronous (including 57.6 kbps) modes of operation**
- **Both EIA-232 and V.35 DTE interfaces**
- **EIA-366 dialing interface**
- **DTE-to-service rate matching feature allows slower DTE devices to communicate over higher speed SW56 service offerings**
- **Supports tail circuit operation with internal slack data buffer**
- **Auto answer of incoming calls**
- **Non-volatile storage of frequently called numbers**
- **Standard 5-year warranty**

The ADTRAN DSU III S4W is a technologically advanced, high-performance data service unit/channel service unit (DSU/CSU). It provides an interface between 4-wire Switched 56 and the customer's data terminal equipment (DTE). The unit supports both synchronous and asynchronous data rates. Synchronous rates supported are 2.4, 4.8, 9.6, 19.2, 38.4, and 56 kbps. Asynchronous data rates are provided from 2.4 to 38.4 kbps and 57.6 kbps. Both EIA-232 and V.35 DTE interfaces are provided for all data rates.

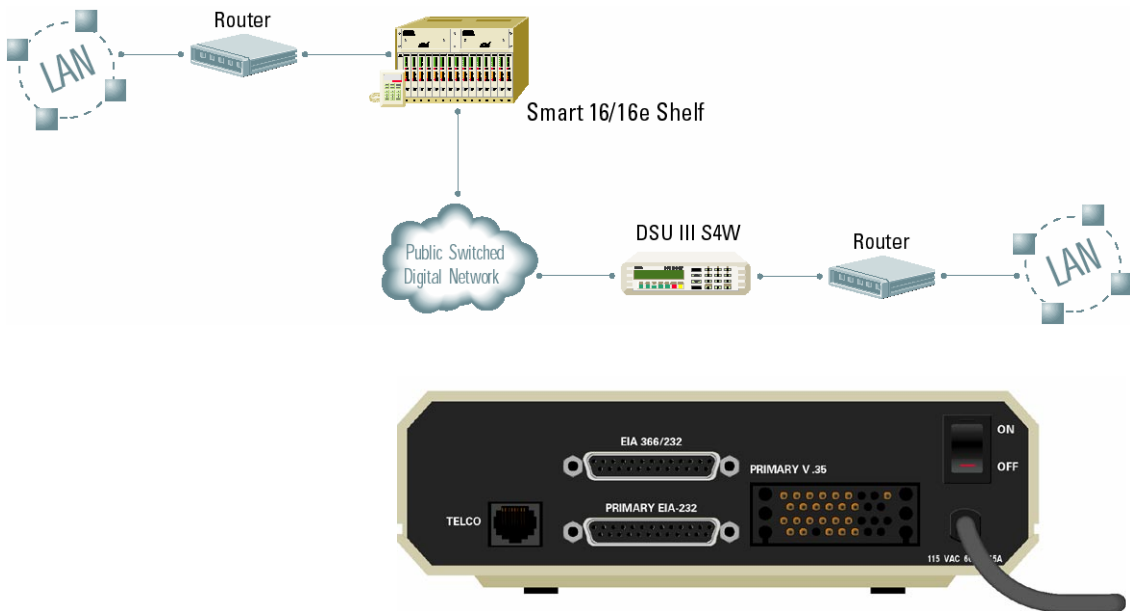
Dialing is accomplished either manually (invoking one of the stored numbers) or automatically. Dialing over the DTE interface is supported by AT commands or V.25 bis in-band dialing. A separate DB-25 connector is provided for EIA-366 parallel dialing.

Additional features of the DSU III S4W include a DTE-to-service rate matching feature, for both switched and dedicated modes, which allows slower rate DTE equipment to communicate over a higher speed digital line.

The unit responds to standard loopback commands from the service provider and provides extensive test capabilities such as V.54 remote loopback. Included are 2047 and 511 BERT test patterns along with four DDS stress patterns (results of which are displayed on a two-line by 16-character LCD display and seven LEDs).

The front panel keypad of the standalone unit operates a simple menu structure which accesses setup, selection of test modes, local and remote configuration, manual dialing or automatic dialing from stored numbers. Configuration is also accomplished using AT commands. The rackmount version is configured using the Smart 16/16e Shelf controller card connected to either the ADTRAN Datamate unit or a locally or remotely attached VT 100 terminal.

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Product Specifications

Operating Mode

- 4-wire Switched 56 (SW56)

Network Rates

- Switched mode service rate: 56 kbps

DTE Rates

- DTE rates to 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, 19.2, 38.4, and 57.6 kbps

DTE Interfaces

- Both EIA-232 and V.35 electrical and physical DTE interfaces
- EIA-366/232 dialport

Data Buffering

- Internal slack buffer

Switched Mode Dialing Options

- Stored number
- Front panel keypad
- DTR dialing of stored number
- In-band AT commands
- V.25 bis (SDLC) in-band dialing

Line Requirements

- Loop transmission parameters as defined in:
 - AT&T PUB 41468: Switched 56

Line Interface

- RJ-48S

Receiver Sensitivity

- -45dB @ all rates

Agency Approvals

- FCC Part 15, Class A and Part 68
- UL & CUL

Diagnostics

- Network: CSU and DSU loopbacks
- User: Local DTE and loop, remote V.54
- Test Patterns: 2047, 511, DDS, Stress Patterns 1-4

Environment

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

Physical

Dimensions

- Standalone: 2.25" H, 8.75" W, 10.25" D
- Rackmount: 1.00" H, 6.75" W, 10.5" D

Weight

- Standalone: 3 lbs
- Rackmount: 1.5 lbs

Power

- Standalone: 115 VAC, 60 Hz, 8 W

Ordering Information

EQUIPMENT	PART #
■ DSU III S4W	1202013L1
■ DSU III S4W rackmount	1200042L1

Product includes: 8-pin to 8-pin modular cable and user manual

Specifications subject to change without notice.

ADTRAN

CORPORATE OFFICE

901 Explorer Boulevard
P.O. Box 140000
Huntsville, Alabama 35814-4000

800 9ADTRAN
Local: 205 963-8000
Fax: 205 963-8699
Fax Back: 205 963-8200
http://www.adtran.com
email: info@adtran.com

CPE SALES LOCATIONS

Field Offices

Los Angeles, CA 800 390-1573
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