DSU 56/64 and DSU 5600

DDS CSU/DSU

Product Features

- Provides cost-effective method for termination of DDS services

- DSU 56/64: V.35 DTE interface

- DSU 56/64: Synchronous operation at 56 or 64 kbps rates

- DSU 5600: EIA-232 DTE interface

- DSU 5600: Synchronous 56 or 64 rates; asynchronous rates from 1.2 to 57.6 kbps

- Slim-line enclosure is designed for desktop, wallmount, or rackmount in the ADTRAN RM10AC rackmount chassis

- Internal power supply

- Can be used for point-to-point, multi-point, or Frame Relay applications

- Easy to configure; all options set by easily accessible DIP switches

- Multiple test and diagnostic features

- Industry-leading five-year North American warranty

The ADTRAN® DSU 56/64™ and DSU 5600™ provide cost-effective solutions for termination of 56 or 64 kbps DDS services. The units are a very economical solution for single port point-to-point, multi-point or Frame Relay applications. Extensive use of VLSI technology provides a highly reliable feature-rich DSU. The enclosure for both the DSU 56/64 and DSU 5600 is a small, attractive, slim-line package that is wallmountable, rack-mountable or can sit on a desktop.
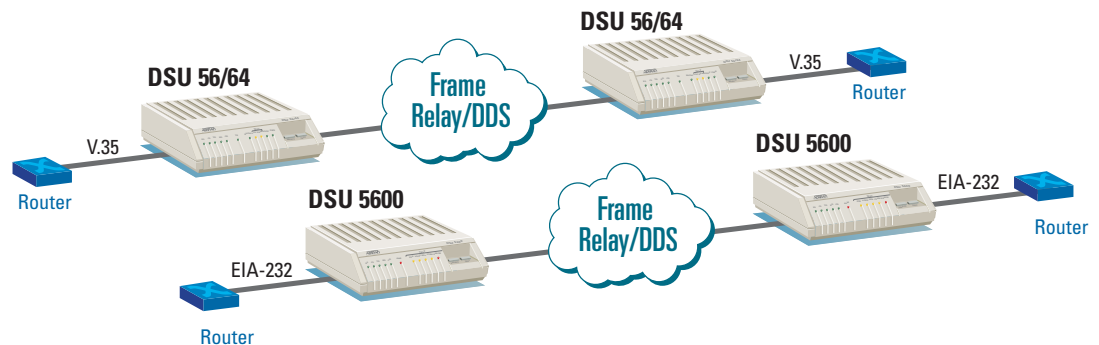
The DSU 56/64 provides both a physical and electrical V.35 DTE interface, which is mounted on the rear panel. The DTE interface operates at the same rate as the network, either 56 or 64 kbps. Also located on the rear panel is a set of option DIP switches along with an RJ-48S network interface. The option switches allow the user to select the network/DTE data rate, control lead options, remote digital loopback, and scrambler options.

The DSU 5600 provides both a physical and electrical EIA-232 DTE interface, which is mounted on the rear panel. The network interface operates at either 56 or 64 kbps. The DTE interface operates either at 56 or 64 kbps synchronous or 1.2 to 57.6 kbps asynchronous. Also located on the rear panel are option switches along with an RJ-48S network interface. The option switches allow the user to select the rate of operation, control lead options, remote digital loopback, and scrambler options.

Both units respond to standard loopback commands from the service provider. In addition, the units have built-in test capabilities which include V.54 remote loopback, DTE, DTE and loop, DTE with test pattern, and loop only. Included with the remote loopback is the capability to select a 2047 BERT test pattern, with results displayed on the front panel.

The front panel of the DSU 56/64 and DSU 5600 provide a set of 11 LED indicators. Five of the indicators show the status of the V.35 DTE or EIA-232 interface while the remaining LEDs indicate the various test modes and loop status. Two front panel keys allow the user to select one of the several test mode the unit supports.

DSU 56/64 and DSU 5600

DDS CSU/DSU

Product Specifications

Operating Modes
- Dedicated DDS
- Point-to-point
- Multi-point

Network Rates
- 56/64 kbps

Indicators
Status
- RS, CS, TD, RD, CD, & ALM

Test
- DTE, LOOP, RDL, PTRN, & ERROR

Options
- Set by DIP switch
- **Loop Rate:** 56 or 64 kbps
- **CTS:** On or Normal
- **CTS Delay:** Short or Long (DSU 56/64)
- **CD:** On or Normal
- **DSR:** On or Normal
- **Scrambler:** On or Off
- **Anti-Stream:** On or Off (DSU 56/64)
- **RDL:** Enable or Disable

DTE Rates
- **DSU 56/64:** V.35 physical and electrical
- **DSU 5600:** EIA-232 physical and electrical

Diagnostics
Local
- DTE, DTE/Loop, DTE with test pattern, Loop only, test pattern

Remote
- V.54 with or without 2047 test pattern

Line Requirements
- **Loop transmission parameters as defined in:** AT&T PUB 62310: Dedicated DDS

Line Interface
- RJ-48S

Receiver Sensitivity
- -45dB at all rates

Agency Approvals
- FCC Part 15 Class A
- FCC Part 68
- UL and CUL
- Industry Canada CS03

Environment
Operating Temperature
- 0°C to 50°C (32°F to 122°F)

Storage Temperature
- -20°C to 70°C (-4°F to 158°F)

Relative Humidity
- Up to 95% non-condensing

Physical
Dimensions
- 1.625" H, 6.50" W, 8.25" D

Weight
- 1.5 lbs

Power
- 115 VAC, 60 Hz, 4 W

Products Include
- 8-pin to 8-pin modular cable
- User manual

Ordering Information

Equipment	Part #
DSU 56/64	1200062L1
DSU 5600	1200078L1
RM 10 AC Shelf	1200085L1
Low Profile 19" Tray	1200468L1