

TL3580/TL3080 DDS and T-1 CSU/DSU



- Switch-selectable DDS and T-1 interfaces
- T-1, Fractional T-1, Frame Relay and Internet applications
- V.35, RS232 and RS530/RS422 interfaces
- Clock smoothing
- SNMP, front panel and VT100 programming
- Built-in pattern generator and checker
- 22 front-panel indicators

The Telinc TL3580 CSU/DSU includes both DDS and T-1 interfaces. It can be used as a multi-rate DDS CSU/DSU or as a T-1 or fractional T-1 CSU/DSU. Everything is included so users can simply switch from one mode to the other. The versatile TL3580 can also be used as an LDM operating at speeds from 2400 bps to 1.536 Mbps.

DDS Mode

When used as a DDS CSU/DSU, the TL3580 provides the interface between customer equipment and a DDS facility. It operates at speeds of 2400, 4800, 9600, 19,200, 56,000 and 64,000 bps. V.35, RS232 and RS530/RS422 interfaces are included as standard.

T-1 Mode

When used as a T-1 CSU/DSU, the TL3580 provides the interface between customer equipment and a T-1 or fractional T-1 facility. It supports D4 or ESF framing with AMI or B8ZS coding. The customer interface can operate at any multiple of 56 or 64 Kbps. The TL3580 is also available without the T-1 interface as the TL3080.

SNMP Management

The TL3580 can be controlled from the front panel, from a local or remote ASCII console or from an SNMP management platform. Like other Telinc products, TL3580 units include an embedded SNMP agent and are MIB II-compliant. They support SNMP gets, sets and traps. The TL3580 can also be configured with DIP switches conveniently located behind the front panel. Each switch is clearly marked.

Full Time Status Reporting

Twenty-two LEDs show full operating status at all times. Testing of the local and the remote, unattended unit is initiated using front-panel switches or from the console. The user can choose from a variety of local and remote loopbacks. A built-in 2047 pattern generator and checker is also included.

Multi-Unit Installations

The TL3580 console port supports VT100 terminals and dial modems. Up to eight units can be daisy-chained together and controlled by a single local or remote console. A rack mount frame is available for mounting up to eight units.

TL3580/TL3080

DDS and T-1 CSU/DSU

Specifications



V.35, RS232, RS530/RS422, T-1 and DDS interfaces and a console port are included as standard with the TL3580. The TL3080 is identical except there is no T-1 connector.

T-1 Network Interface (NI) (TL3580 only)

Line Rate	1.544 Mbps +/- 50 bps
Line Format	Bipolar AMI or B8ZS
Pulse Characteristics	AT&T 62411 and T1.403 compliant
Line Build Out (LBO)	0, -7.5, -15 or -22.5 dB
Elastic Store	16 bits
Interface Termination	8-position RJ48C
Timing Source	Network, sync channel or internal
LDM Mode	Drives up to 6000 feet

DDS Network Interface (NI)

Line Rate	2400, 4800, 9600, 19200, 56,000 and 64,000 bps
Line Format	Bipolar Return-to-Zero
Pulse Characteristics	AT&T 62310
Interface Termination	8-position RJ48S
Timing Source	Network, sync channel or internal
LDM Mode	Drives up to 7 miles

Customer Interface (CI)

Rate	
DDS	2400, 4800, 9600, 19200, 56,000 and 64,000 bps
T-1 (TL3580 only)	Any combination of 56 or 64 Kbps up to 1.536 Mbps
Electrical	CCITT V.35, RS232, RS530/RS422
Mechanical	RS530, RS422, RS232: 25-pin female V.35: 34-pin female
Format	Binary serial synchronous

Console Port

Interface	RS232, 6-position RJ11
Speed	9600 bps

Indicators

22 front-panel LEDs

Power

Wall-mounted power pack
90 to 130 VAC, 57 to 63 Hz
6 watts, 21 BTU/hr

Dimensions

Tabletop	2" H x 8" W x 7.5" D (5 cm x 20 cm x 19 cm)
Rack, 8 units	10.5" H x 19" W x 14" D (27 cm x 48 cm x 36 cm)

Weight

Tabletop	3.5 lbs (1.6 kg)
Rack, empty	9.7 lbs (4.4 kg)

Operating Temperature

32° to 122°F, 0° to 50°C

Relative Humidity

0% to 95%, non-condensing

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