

T3SU 300



Multiport T3 DSU/CSU

Product Features

- Multiport T3 DSU/CSU
- Four user-configurable data ports
- HSSI or high-speed V.35 Interface options
- DSX-1 module for voice integration
- Automatic or manual remote configuration
- Optimal integrated modem for out-of-band management
- Embedded SNMP and Telnet through 10BaseT Ethernet or SLIP/PPP
- Detailed performance monitoring (local and remote)
- Detailed VT100 menu structure simplifies configuration
- Reassuring five-year warranty

The ADTRAN® T3SU 300 is a T3 DSU/CSU capable of providing users up to four DTE data ports. This multiport DSU/CSU provides access to non-channelized T3 services and allows users to share the cost of a T3 line between multiple applications. The new, affordable T3SU 300 is the first in a series of broadband access products from ADTRAN.

The T3SU 300 has one HSSI (High Speed Serial Interface) port built into the chassis. Expansion slots for up to three additional DTE interfaces accept optional field-upgradeable interface cards. The cards can be either HSSI, high-speed V.35, or DSX-1. The HSSI ports support rates from 75 kbps to 44.2 Mbps, while the high-speed V.35 ports support rates from 75 kbps to 10 Mbps; both in 75 kbps increments. Each DSX module has 4 DSX-1 interfaces and up to 2 DSX-1 modules can be supported in a chassis. The T3SU 300 offers complete configuration, diagnostic, and performance monitoring through a VT100 terminal, SNMP, or Telnet.

A series of front panel LEDs indicate the status of the network connection, along with the state of each of the four DTE ports. SNMP traps notify SNMP management platforms of alarm conditions. External alarm contacts provide connection to a visual or audible alarm.

The T3SU 300 includes VT100 terminal interfaces on both front and rear panels. Inband access to a remote unit across the T3 circuit can be performed manually by the user, or automatically by the host T3SU 300 unit. For customers needing out-of-band management, the T3SU has an optional integrated modem. Time-of-day automatic reconfiguration allows customers to assign or reallocate bandwidth to applications based on the time of day, ensuring that the broadband circuit is always optimized.

Embedded SNMP and Telnet are available through either the 10baseT Ethernet port or the SLIP/PPP port. The T3SU 300 can be configured, monitored, and diagnosed using standard SNMP network management programs, such as Hewlett Packard's OpenView™, IBM's NetView™, and Cabletron's Spectrum™. ADTRAN's ADVISION™, a GUI interface for HP OpenView, can be used to manage the T3SU 300, as well as other ADTRAN SNMP products.



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Product Specifications

T3SU 300 Interface

Network Interface

- Clear channel, non-channelized DS3
- **Line build out:** short (0 to 50 feet) and long (50 to 450 feet)
- **Framing format:** M13 and C-bit parity
- **Line rate:** 44.736 Mbps
- **Line interface:** 75-ohm BNC coax female connectors

DTE Interface(s)

- Single integrated HSSI port, SCSI-II 50-pin female
- Three (3) option slots accept any combination of: HSSI Port, SCSI-II 50-pin female; High-speed V.35 port, M34 female
- All option cards are hot swappable

VT 100 Terminal Interface

- RJ48, EIA-232 compatible, female DB25 adapter provided
- Inband remote configuration and statistics

DSX-1 Interface

- T1/FT1 rates
- RJ48C
- ANSI T1.403, AT&T TR 62411
- SF/ESF AMI/B8ZS
- Auto line build-out for 0-655 ft

DTE Rates Supported

- **HSSI Port(s):** 75 kbps to 44.2 Mbps
- **V.35 Port(s):** 75 kbps to 10 Mbps
- Bandwidth selectable in 75 kbps increments

Clocking

- Loop (slaved to network receive clock)
- Local (private network master)

Diagnostics

DS3 Network

- ANSI T1.107 compatible loopbacks
- Line, payload and line w/bert loopbacks

DTE Ports

- Network, network w/bert loopbacks
- Local DTE, local DTE w/bert loopbacks
- Remote DTE, remote DTE w/bert loopbacks
- **HSSI only:** DTE device loopback

DSX-1 ports

- Local/remote payload

Performance Monitoring

Local and Remote Network Port Statistics

- Current 15-minute, 24-hour (96 15-minute intervals) and total for 24 hours
- P-bit errored & severely errored seconds
- Severely errored framing seconds
- Line, P-bit, C-bit coding violations
- Line errored, unavailable seconds
- C-bit errored & severely errored seconds

DTE Ports

- Inactive based on loss of DTR and/or RTS

SNMP/Telnet

- Integrated 10BaseT Ethernet and SLIP/PPP (async) port
- MIB II, RFC 1213 & 1407 compliant
- ADTRAN Enterprise MIB for extended monitoring and DSU control/configuration

Agency Approvals

- FCC Part 15, Class A, UL and CUL

Environment

Operating Temperature

- 0° to 50° C, (32° to 122° F)

Storage Temperature

- -20° to 70° C, (-4° to 158° F)

Relative Humidity

- Up to 95%, non-condensing

Physical

- **Dimensions:** 1.7" H, 11.625" D, 17" W; fits 1U 19" rack space
- **Weight:** 5 lbs
- **Power:** 120 vAC, 9W

Product Includes

- One 8-pin to 8-pin modular cable, Modular-to-female DB-25 adapter, User Manual

Ordering Information

Equipment	Part #
T3SU 300	1200217L1
T3SU 300 w/ V.34 modem option	1200217L2
HSSI Card	1200218L1
V.35 Card	1200219L1
DSX-1 Card	1200284L1
23" Rack Kit	1200171L1



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