

### KEY FEATURES

- Low Cost
- High Reliability
- Full or Fractional T1 (ESF or D4) Operation
- V.35 (M.34) DTE Port (Supports RS-530/RS-449)
- RS-232 (DB9) Console Port

### FLEXIBILITY

The Spartan T1/FT1 CSU/DSU provides unequalled reliability and low cost. The Spartan is a stand-alone design which also mounts in the RM-3, two (2) slot rack mount chassis. The Spartan is a single port model which includes one V.35 (M.34) data port. It is perfect for applications where a full or fractional T1 service needs to be delivered cost effectively. Whether you are connecting router traffic, T1 based video, or SNA, the Spartan brings it's wide array of features to support your application.

### INDUSTRIAL STRENGTH

The Spartan is packaged in aluminum enclosures with steel front and rear panels, providing a durable enclosure for industrial environments. Front panel controls use dome switches protected by a polycarbonate cover. We also offer high temperature and humidity enhancements.

### MANAGEMENT

The Spartan features a standard RS-232 port for local or remote maintenance. The Spartan delivers the monitoring of port and network facility with critical information displayed with date and time stamped alarm information. The simple menu structure allows easy setup and diagnostic testing from any VT-100 compatible device.

### SUPPORT

No long voice mail menus and no "DJ" telling you how long your wait will be. Real, living people answer our phones to assist you. Our five year warranty and first year free overnight replacement policy continues to demonstrate our commitment to you.

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# SPARTAN SPECIFICATIONS

NETWORK LINE INTERFACE (T1 INTERFACE)	
Line Rate	1.544 Mbps
Framing	D4/ESF (selectable)
Line Coding	AMI/B8ZS (selectable)
Connector, Input Signal	RJ48C, DS-1
Jitter & Pulse Template	Per AT&T TR 62411
Surge Protection	FCC Part 68 Sub Part D
Line Driver Mode	Operation up to 6000 feet
Synchronous Rate	N x 56 Kbps or N x 64 Kbps ( $1 \leq N \leq 240$ )
CUSTOMER DTE INTERFACE	
DTE Data Port	One Port: V.35 (M.34) AutoDetect for EIA530/RS449
DSO Mapping	One Map: DTE-I, DSX Unique Channel Review
PERFORMANCE MONITOR (TI ESF only)	
Performance Registers	Last 24 hour's performance in 15 minute intervals
Separate Registers	Overall status, Errored Seconds, Unavailable Seconds, Severely Errored Seconds, Bursty Errored Seconds, Time in Interval, Valid Intervals
Event Log	Date and Time Stamped Significant Events plus alarms
CONSOLE PORT	
Electrical, Connector	RS-232, DB-9
Format	Asynchronous
Parity	None
Data Bits	8
Flow Control	XON/XOF
Data Rates	9600 bps

DIAGNOSTIC TESTING	
Loopbacks	CSU, NI Line, Remote Payload, Remote Line, Serial Remote, Serial Local
FRONT PANEL DESCRIPTION	
NI Section	Alarm & Line, BPV, Loop Status I's Density
DTE Section	Loop Status, RTS, DCD
COMPLIANCE	
FCC Part 15 Class A	FCC Part 68 Sub Part D
ANSI T1.403-1989	UL1950
CSA 22.2 No.950	DOC-CS-03
AT&T TR54016, 54019, 5419A, 62411	
PHYSICAL / ELECTRICAL	
Dimensions	8.5"(W) x 2.25"(H) x 5.50(D)
MODELS	
Spartan	One Port (V.35(M.34))
RM-3	Rackmount Chassis Kit for 2 Units

