



Solo T1 CSU

Providing a new level of versatility
for broadband access.



Product Overview

The Solo T1 CSU supports T1 framing formats (D4 and ESF) as well as line coding standards (AMI and B8ZS). It performs conversion from SF to ESF framing formats so that legacy data terminal equipment can be used with the ESF facilities.

The Solo T1 CSU features an embedded SNMP agent with the standard management information base (MIB II) and RFC 1406, as well as a device-specific enterprise MIB, which allows complete unit configuration, test pattern set-up, and retrieval of all network and unit performance statistics.

The Solo T1 CSU provides comprehensive in-service testing capabilities and two front-access bantam test jacks. Test patterns can be transmitted on the full T1 payload or only the fraction of payload bandwidth allocated. New features and upgrades can be easily downloaded remotely.

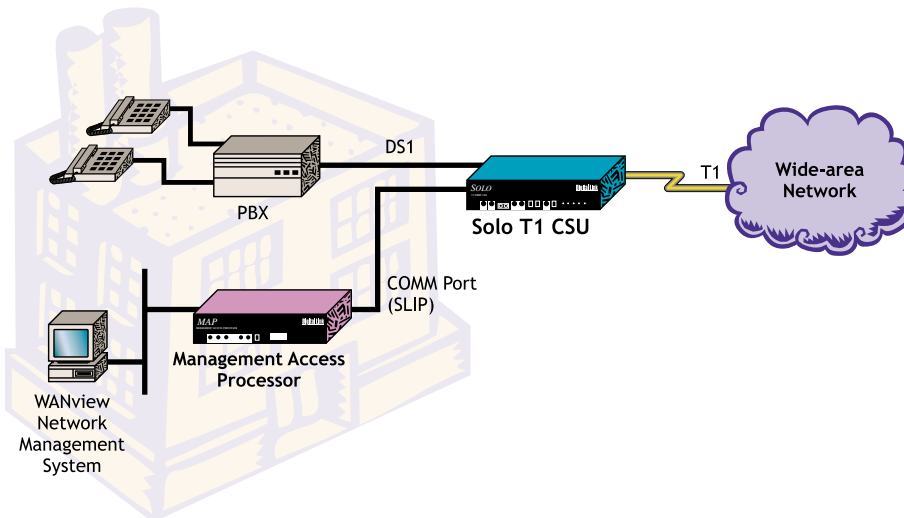
Solo T1 CSU

The Solo T1 CSU is a versatile device that provides T1 network monitoring, in-service diagnostics and network protection in compliance with FCC, AT&T ESF, and ANSI T1.403 specifications.

Features

- T1 CSU connectivity at 1.544 Mbps
- Local and remote management using an embedded SNMP agent
- Telnet management access via COMM port
- Easy integration with popular SNMP management packages
- Alarm dial-out connection for unattended remote operation
- Downloadable code
- Available in stand-alone and chassis-based module versions





Solo T1 CSU	
Network Port	
Line rate	1.544 Mbps \pm 75 bps
Line code	B8ZS, AMI
Framing	ESF, D4
ESF FDL	AT&T TR54016-1986, AT&T TR54016-1989, ANSI T1.403-1989
Input level	DSX-1, 0 to -26 dB
Output level	0, -7.5, or -15 dB LBO
Pulse density	AT&T 62411, HDLC inversion, forced AT&T TR 54019A
System timing	Internal, network, data port
Connector type	DA-15 socket
Data Port	
Line rate	1.544 Mbps \pm 50 bps
Line code	B8ZS, AMI
Framing	ESF, D4
System timing	Internal, network, DS1 DTE (AUX)
Electrical	DSX-1
Connector type	DA-15 socket
COMM Port	
Terminal emulation	VT-100 compatible
Connector type	DE-9 socket
Power Requirements	
Voltage	100 VAC to 240 VAC, 50/60 Hz or -48 VDC to -60 VDC
Consumption	6 W maximum
Regulatory	
	UL 1950 3rd Edition, cUL; FCC Part 68, FCC Part 15 Class A
Diagnostics	
Loopbacks	DS1 DTE, loop-up/loop-down commands, T1 network, fractional T1 (ANSI V.54), T1 payload, fractional T1 payload
Test patterns	QRW, 1:1, 1:2, 1:4, 1:8, 3:24, all 1s, all 0s, 2 user-programmable, 24-bit patterns
Front panel LEDs	Power/test, network status, network loopback, loopback acknowledgement, DTE loopback, AUX
Alarm parameters	Network: loss of network signal, loss of network frame, receive blue alarm, receive yellow alarm, excessive BPV/CRC/OOF DS1 DTE (AUX): loss of DTE signal, loss of DTE frame, receive blue alarm, receive yellow alarm
Physical	
Stand-alone dimensions	22.2 cm (W) x 4.45 cm (H) x 29.2 cm (D), 2.5 kg 8.75 in (W) x 1.75 in (H) x 11.5 in (D), 5.6 lb
Module dimensions	1.90 cm (W) x 21.92 cm (H) x 20.96 cm (D), 0.34 kg 0.75 in (W) x 8.63 in (H) x 8.25 in (D), 0.75 lb
Environmental	
Operating temperature	0°C to +50°C
Storage temperature	-20°C to +60°C
Relative humidity	0% to 95% non-condensing
Maximum altitude	4,572 km (15,000 ft)

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