
TMS-16 SERIES REMOTE-CONTROLLED ACCESS SWITCHES

Key Features

- High Speed, Remote Test and Monitor
- Available with Two Buses and an Alarm Bus
- Dual Control Port Offers Redundant Access
- Highly Reliable Design, Ideal for Remote Applications
- Transparent to All Protocols
- Supports RS-232/V.24 or V.35 Intermixed in the Same Chassis
- LEDs Indicate Access Status
- Standard Rackmount Unit

Simplifying Line Test

The TMS-16 simplifies the connection of test equipment such as protocol analyzers, line testers, and other data scopes to selected lines. With the TMS-16, selection of WAN lines for testing and connection to desired test instruments is quick. Depending on your requirements, the TMS-16 WAN permits passive monitoring of connections without breaking the connection or actively exercising a line in- and out-of-service test.

Functionality

The TMS-16 accommodates up to 16-channels providing DB-25 or V.35 interface connectors for installation between data terminal equipment (DTE) and data communications equipment (DCE). It is available in a variety of configurations.

Fully optioned, the TMS-16 provides dual buses that permit test and monitor access to all 16 lines and an alarm bus. These are full test/monitor buses permitting both interactive and passive monitoring of the desired data line. These buses are designed for

independent operation allowing simultaneous use on different lines.

Other versions offer either single- or dual-monitor buses that offer access but prevent line disruption. The alarm bus monitors the control leads and detects circuit failure based upon the criteria entered.

Design

The front TMS unit designed with LED indicators that display unit status (which line is on which bus). Options, which aid troubleshooting at a remote site, include LED monitoring of the key leads, transmit data, receive data, and carrier.

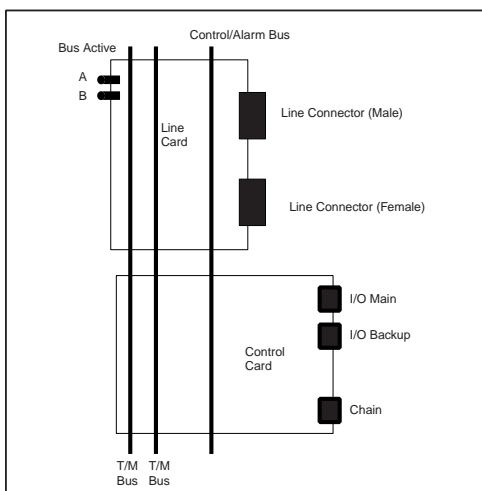
The rear of the unit contains the power connector, DB25 or V.35 connectors for data paths and three RJ-11 connectors. Two of these connectors are for the terminal interface and one is for the chain interface to other units..

The TMS-16 is designed to enable up to 32 units (512 lines) to be daisy-chained for remote cluster configurations. The buses are accessed through DB-25 connectors, one for each bus.

Unit Design

The TMS-16 unit is designed with 16 line access cards with DB-25 or V.35 connectors mounted to them. A bus plane carries power and signals to each card. The seventeenth position provides the master switch module and the control logic. The eighteenth position is the power supply. The unit is controlled remotely through a standard ASCII terminal or a personal computer.

The TMS-16 features access to the active interface, 16 circuits per channel. Signal Ground and Chassis Ground are not switched. One pole of the relay circuitry is used for status indication, ensuring that each action taken occurs.



TMS-16 TT Version

System Control

System control is provided by the CORNET CorScan management software through a built in remote control card. The TMS-16 is also capable of using ASCII strings for performing independent channel or group switching and status verification. The units dual ports may be used to provide redundant control.

	TMS-16T	TMS-TT	TMS-16M	TMS-16MM
Remote Control	✓	✓	✓	✓
LED Monitoring	✓	✓	✓	✓
Test/Mon Bus	1 bus	2 buses	--	--
Monitor Bus	--	--	1 bus	2 buses
Alarm Bus	✓	✓	✓	✓

SPECIFICATIONS

Terminal Control

Input/Output Port: Serial DTE async
Data Rates: 300 bps to 9.6 Kbps, automatic selection

Character Format: Async, 10 bits

Parity: Odd, even, mark, or space

Message Format: Training character, equipment type, box address, channel

Electrical

Circuits Accessed Per Channel: 15 accessed (+Signal Gnd. and Chassis Gnd.)
25 circuits are passed through

Data Connectors: DB-15 or V.35 (each channel has one male and one female connector)

Indicators: Bus Active and Power On

Control Connectors: Two each RJ-45s for terminal control; one each for chaining

Power Requirements

Power: 100-230 VAC, 47-63 Hz

Power Consumption: 25 Watts

Physical

Dimensions

7" H x 19" W x 6" D

Weight:

15 lbs



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