



## D/I Mux III Product Overview



### D/I Mux III Features:

- Supports 2 T1 lines with up to 48 channels.
- Integrated features include a dual smart CSU; FDL processor; 24VDC power supplies; redundant 48VDC power supplies or 110 VAC power supplies with ringer.
- Programmable control over your T1 network with our PC-based NCC network manager.
- Quickly set up channels for services that are only used occasionally, and return to normal traffic just as quickly.
- Can be programmed to automatically dial-out to our network manager or any ASCII printer in response to an alarm.
- Functions with a variety of bi-directional voice and data channel cards, which can be software controlled.
- Can be mounted directly into a rack or set as a free standing unit.
- New Optional SNMP based remote management, including remote site control.

### Description

The D/I Mux III product line was acquired by Tempest Telecom Solutions in 2011. Tempest has now restarted repair and production to continue the support of the many critical networks using D/I Mux III technology.

Tempest now offers an optional remote management interface to the D/I Mux III, that provides a versatile and powerful SNMP management platform as well as offering monitoring and control of other serial devices, equipment I/O and environmental conditions at the remote locations.

Originally, manufactured by Coastcom and now further enhanced by Tempest, the D/I Mux III Intelligent T1 Access Multiplexer is a fully programmable, software controlled T1 voice and data multiplexer.

D/I Mux III supports up to 48 voice circuits, 24 super-rate data circuits, 120 sub-rate data circuits or a combination of voice and data over a single or dual T1 facility. The common equipment and the voice/data channel units are fully interchangeable among all three shelf sizes allowing for full compatibility over the D/I Mux III product series.

D/I Mux III can be software configured as a Channel Bank, a Drop-and-Insert Multiplexer, or a Dual Channel Bank supporting two T1 spans simultaneously. Powerful software controlled features offer local and remote Operations, Administration, and Maintenance (OA&M) capabilities. Special Features include Time-of-Day Bandwidth Reallocation and DACS Grooming. The system carries UL, CSA, FCC Parts 15 and 68 and Canadian D.O.C approval and is compatible with all major telecom carrier's switched services and virtual private network services. All systems support both T1 and Fractional T1 services with optional support for both AT&T and ANSI non-intrusive performance monitoring standard.

*Infrastructure without boundaries*

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## Optional D/I Mux III SNMP Remote Management and Control

The Site Boss 550 controller with optional external alarm input and control modules works with the CCU module as an add on option for SNMP and Telnet/remote CLI Management console.

The Site Boss 550 allows complete SNMP based alarm management as well as remote configuration and native alarm review (via Terminal Server) of the D/I Mux III chassis.

The optional D/I Mux III Site Boss SNMP management feature is compatible with ProVision®, HP Openview® Spectrum®, Intermapper®, Nagios®, SNMPc®, Netcool®, and all other SNMP-based network management systems and:

- Sends E-mail, SNMP trap, TCP/IP, or dial-out alarms
- Receives and converts SNMP traps into text alarms
- Can access network devices via dialup PPP
- Can fallback to dialup alarms if the network connection fails
- Has advanced security (SSH V2, SFTP, Radius)
- Offers optional internal run-time battery backup
- Supports VLAN, SNMPv3 Sets, Gets & Traps

There are two hardware options, one fixed configuration for monitoring and management of the DI Mux III and one expandable chassis that supports additional modules that can be used for remote site monitoring and control of external alarms and remote devices other than the D/I Mux III, providing a comprehensive remote monitoring and control function.

