

REDCOM Multi E1/T1 (MET) Board

Features echo cancellation capabilities

- ▶ Flexible and configurable digital interface
- ▶ Provides up to four individually administrable E1/T1 spans
- ▶ Works with the REDCOM IGX, MDX-I and HDX systems
- ▶ Eliminates need for external echo canceling equipment

OVERVIEW:

REDCOM's MET Board is a flexible, easily configurable digital interface available in various configurations. It provides up to four ports, each of which can be configured by software as either E1 or T1 interfaces. The DSP section of the board allows for support of in-band signaling protocols and other DSP applications, including echo cancellation. The MET Board offers a cost-effective option that eliminates the need for external echo cancellation equipment.

The MET Board is a multi-purpose interface that can be used in numerous REDCOM products including the IGX (ISDN Gateway Exchange), the MDX-I (Modular Digital Exchange with ISDN) and the HDX (High Density Exchange). To use the MET Board the IGX and MDX-I require version 6.1 software or later. The firmware is field upgradeable by Flash card. To take full advantage of all the timeslot switching available in the HDX, the MET provides up to four individually administrable E1/T1 spans.

EACH SPAN PROVIDES:

- 100 Ω T1 interface with administrable line build-out or 120 Ω E1 interface both using a single shared RJ-45 connector
- Independent alarm and loopback indicators for each span
- Software controlled clock synchronization

The MET can also be provisioned as a fractional E1/T1 allowing for use of all four spans in the IGX and MDX-I V6.1.

An on-board Timeslot Interchange (TSI) provides a multi-level hierarchy where access to optional register signaling and other DSP resources may be done on-board. This frees up system resources for other applications.

FEATURES:

- Capable of accessing up to 128 timeslots in an HDX system
- Capable of accessing up to 96 timeslots in an IGX or MDX-I
- Firmware support for framing formats ESF and D4/SF; line coding formats AMI and B8ZS; and many line signaling protocols
- Four general purpose Digital Signal Processors (DSP)
- DSP circuits can be used as a general system resource
- Optional echo cancellation with selectable tail lengths: 32, 64, 128 ms, and per-channel G.164 or G.165 tone disabler
- Onboard Primary Rate ISDN (ANSI & Euro) support*

ONBOARD REGISTER

SIGNALING PROTOCOLS:

- Dial Pulse
- DTMF
- MF/R1
- MFC R2

APPLICABLE PRODUCTS:

- IGX
- MDX-I
- HDX

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Talk to the communications experts at REDCOM

For more information about how REDCOM can create a reliable solution for you, call us today at **+1.585.924.6500**, or e-mail sales@redcom.com

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The REDCOM logo, featuring the word "REDCOM" in a bold, sans-serif font, followed by a stylized graphic element resembling a circuit board or a signal waveform.