

► 8-Channel E1/T1 Telecomms PMC Adapter

The 8-Channel E1/T1 Telecomms PMC Adapter is an intelligent I/O adapter with onboard processing using a Motorola PowerQUICC II Integrated PowerPC Microprocessor as communication controller and offering eight E1/T1 telecommunications channels, as well as two channels of simultaneous, high-speed, bi-directional RS422 serial communications (>10 Mbps) and two channels of simultaneous, bi-directional RS232 UART (Universal Asynchronous Receiver/Transmitter) serial communications.

The E1 option has been verified against the Sangoma A101c (channelised E1 card) and the Digium Wildcard E100P.

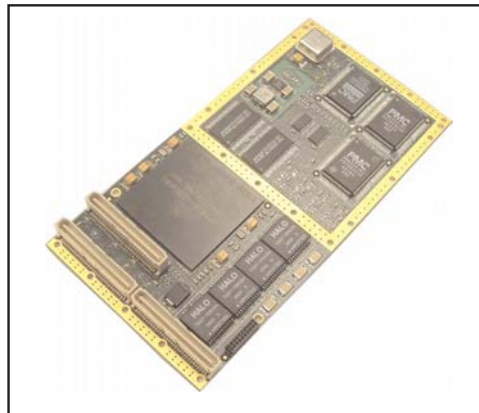
The adapter is available in both conduction-cooled (CC) and air-cooled versions : ruggedised, industrial and commercial.

Features

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- Exact functionality can be tailored to meet customer requirements.
- Front-panel and rear connector I/O options with various rear connector PMC Jn4 I/O pin assignments.
Conduction-cooled version has rear connector I/O only.

Conduction-Cooling

The conduction-cooled 8Channel E1/T1 Telecomms PMC Adapter conforms to the CCPMC (Conduction-Cooled PCI Mezzanine Card) Standard, namely ANSI/VITA 20-2001.



8-Channel E1/T1 Telecomms CCPMC Adapter



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8-Channel E1/T1 Telecomms PMC Adapter Specifications

Bus Interface	32-bit, 33/66 MHz PCI-bus Electrically : 3,3 V signalling, PCI Rev. 2.2 Mechanically : Single CMC formfactor IEEE P1386-2001
I/O Options	<ul style="list-style-type: none"> • Front-panel or rear connector I/O options with various rear connector PMC Jn4 I/O pin assignments. • Conduction-cooled version has rear connector I/O only.
Software Drivers	Various software drivers offered including for VxWorks and Linux operating systems as standard; others are costed options.

Environmental Specifications

	Commercial	Industrial	Ruggedised/Conduction-Cooled
Temperature			
- Operating	0 C to +55 C	-15 C to +75 C	-40 C to + 85 C
- Storage	-40 C to +85 C	-40 C to +85 C	-55 C to +125 C
Humidity	0% to 90%	0% to 95%	0% to 95%
Shock	N/A	30 g peak for 11 ms	40 g peak for 11 ms
Vibration			
- Sine	2 g (peak) 10 Hz to 100 Hz	10 g (peak) 5 Hz to 2 kHz	10 g (peak) 5 Hz to 2 kHz
- Random	0,04 g ² /Hz at 15 Hz to 2 kHz	0,1 g ² /Hz at 15 Hz to 2 kHz	0,1 g ² /Hz at 15 Hz to 2 kHz