Universal Telecomms PMC Adapter

The Universal Telecomms PMC Adapter is an intelligent I/O adapter with onboard CPU using a Motorola PowerQUICC II Integrated PowerPC Microprocessor as communication controller and offering various E1/T1, E3/T3, Fast Ethernet, ATM and serial I/O options.

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

Features

- Exact functionality can be tailored to meet customer requirements with I/O channels only being limited by the number of available PMC connector pins.
- Commercial, Industrial and Ruggedised adapters offer I/O over either twisted pair or optical fibre media; Conduction-cooled version offers I/O over twisted pair media only.
- 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 Universal Telecomms PMC Adapter conforms to the CCPMC (Conduction-Cooled PCI Mezzanine Card) Standard, namely ANSI/VITA 20-2001.

Universal 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	• 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.
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 g²/Hz at 15 Hz to 2 kHz	0,1 g²/Hz at 15 Hz to 2 kHz	0,1 g²/Hz at 15 Hz to 2 kHz

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Designations

PMC :			
CCII/UTA/PMC/8E12H2U/FP/COM	Commercial	Front-panel or Backplane I/O	FR4 PCB
CCII/UTA/PMC/8E12H2U/FP/IND	Industrial	Front-panel or Backplane I/O	FR4 PCB
CCII/UTA/PMC/8E12H2U/FP/RGD	Ruggedised	Front-panel or Backplane I/O	Polyimide PCB
CCII/UTA/PMC/8E12H2U/BP/CC	Conduction-cooled	Backplane I/O	Polyimide PC
PCI :			
CCII/UTA/PCI/8E12H2U/FP/COM	Commercial	Front-panel or Backplane I/O	FR4 PCB
CCII/UTA/PCI/8E12H2U/FP/IND	Industrial	Front-panel or Backplane I/O	FR4 PCB
CCII/UTA/PCI/8E12H2U/FP/RGD	Ruggedised	Front-panel or Backplane I/O	Polyimide PCB
PC104 :			
CCII/UTA/PC104/8E12H2U/FP/COM	Commercial	Front-panel or Backplane I/O	FR4 PCB
CCII/UTA/PC104/8E12H2U/FP/IND	Industrial	Front-panel or Backplane I/O	FR4 PCB
CCII/UTA/PC104/8E12H2U/FP/RGD	Ruggedised	Front-panel or Backplane I/O	Polyimide PCB

