



### ► 8-Channel E1/T1 Telecomms PCI-104 Adapter

The 8-Channel E1/T1 Telecomms PCI-104 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 (>10 Mbps), bi-directional RS422 serial communications 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 8-Channel E1/T1 Telecomms PCI-104 Adapter is available in three air-cooled versions : ruggedised, industrial and commercial. The ruggedised version is ideally suited for environments with high temperature, shock and vibration levels.

#### Features

Exact functionality can be tailored to meet customer requirements.

#### Ruggedised PCI-104 Adapters

The 8-Channel E1/T1 Telecomms PCI-104 Adapter is intended for very rough use and is exceptionally resistant to shock and vibration. The adapters contain an internal heat equilisation layer and can operate in ambient temperatures of -40 C to +85 C.

#### Availability in Other Formfactors

The 8-Channel E1/T1 Telecomms PCI-104 Adapters are also available in the PMC and PCI formfactors.

In the PMC formfactor, they are available in conduction-cooled (-40 C to +85 C) and air-cooled versions : ruggedised (-40 C to +85 C), industrial (-15 C to +75 C) and commercial (0 C to +55 C).

In the PCI formfactor, they are available in air-cooled versions : ruggedised (-15 C to +75 C) and commercial (0 C to +55 C).

#### 8-Channel E1/T1 Telecomms PCI-104 Adapter Specifications

<b>Bus Interface</b>	32-bit, 3,3 V PCI-bus Complies with PCI-104 Version 1.0 specification
<b>I/O Options</b>	8 x RJ45 for E1
<b>Software Drivers</b>	Various software drivers offered including for VxWorks and Linux operating systems as standard; others are costed options.

#### Environmental Specifications

	Commercial	Industrial	Ruggedised
<b>Temperature</b>			
- 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
<b>Humidity</b>	0% to 90%	0% to 95%	0% to 95%
<b>Shock</b>	N/A	30 g peak for 11 ms	40 g peak for 11 ms
<b>Vibration</b>			
- 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 <sup>2</sup> /Hz at 15 Hz to 2 kHz	0,1 g <sup>2</sup> /Hz at 15 Hz to 2 kHz	0,1 g <sup>2</sup> /Hz at 15 Hz to 2 kHz

8-Channel E1/T1 Telecomms PCI-104  
Board-Level



Advance



Force Multiplication through Information Technology®

► **8-Channel E1/T1 Telecomms PCI-104 Adapter**

8-Channel E1/T1 Telecomms PCI-104  
Board-Level