

MIC-3951

6U CompactPCI® Dual PMC or CMC Carrier Board (64-bit/66 MHz)



Features

- 64-bit, 66 MHz CompactPCI® interface
- Supports dual PMC module
- Onboard PCI-to-PCI bridge
- Compliant with CMC specification



Introduction

The MIC-3951 is a 6U CompactPCI carrier board for PCI Mezzanine Cards (PMC) modules. It provides two 64-bit PMC sites for easy CompactPCI system expansion through different PMC modules. An Intel® 21154 PCI-to-PCI bridge chip is used in the MIC-3951 for CompactPCI bus expansion and decreases the CompactPCI bus loading to one, in addition to meeting industry requirements. Advantech provides several PMC modules that work in conjunction with the MIC-3951, such as the inclusive 10/100 Ethernet module and Gigabit module. In addition to being compatible with Advantech CompactPCI products, the MIC-3951 can also be used with other standardized, off-the-shelf modules from other manufacturers.

Specifications

Bus	PCI PCI-to-PCI Bridge	From 32-bit/33 MHz up to 64-bit/66 MHz Intel 21154
Power	Power Consumption	2.2 W @ 64 bit/66 MHz (670 mA @ +3.3 V)
Environment	Temperature	Operating: 0 ~ 60 °C (32 ~ 140 °F) Non-Operating: -20 ~ 80 °C (-4 ~ 176 °F)
	Humidity	- 5 ~ 95 % @ 60 C, non-condensing
	Vibration (5 ~ 500 Hz)	1.0 Grms 2.0 G
Physical Characteristics	Dimensions (W x D)	233.35 x 160 mm (9.2" x 6.3"), 1-slot width
	Weight	0.5 kg (1.10 lb)
Reliability	Mean-Time-To-Repair (MTTR)	5 minutes
Compliance	PICMG 2.0 R3.0 CompactPCI Specification PICMG 2.3 R1.0 CompactPCI PMC I/O Mapping Specification IEEE P1386.1 R2.3 PMC Specification	

Recommended Configurations

PMC Carrier Board	PMC Module
MIC-3951	MIC-3665-AE MIC-3665-BE

Ordering Information

Part Number	Description
MIC-3951-AE	6U CompactPCI dual PMC carrier board (64-bit/66 MHz)

Note: Please contact your local distributor for more information on CMC solution

