

MIC-3023

3U CompactPCI® Enclosure for 3U Cards



Features

- Hosts up to twelve 3U CompactPCI® boards
- 32bit 33/66MHz PCI bus backplane
- Two 50W low power PICMG2.11 power supplies
- Dual system ready
- Fanless design

Introduction

The MIC-3023 is a space and cost optimized 3U CompactPCI enclosure which is designed to host up to two 6-slot CompactPCI 3U backplanes. Each backplane supports 32bit 33MHz or 66MHz PCI add in cards. The chassis can be powered by two PICMG2.11 CPCI power supplies for two individual systems, which is suitable for redundant and high density applications. MIC-3023 is ideal for a wide range of applications in the industrial market requiring a robust, compact and reliable platform such as in transportation.

With fanless design and the support of front swappable power supplies, systems based on the MIC-3023 can support a Mean Time To Repair (MTTR) of 5 minutes or less.

Specifications

		MIC-3023	
Backplane	Backplane	Up to two backplanes. Each backplane supports 1 System slot left and 5 Peripheral slots, 2 PSU slots	
	Bus Interface	32-bit/33 MHz/66 MHz PCI bus	
	V (I/O)	+3.3 V/+5 V (selectable)	
Cooling	Natural convection	Fanless design	
Power Supply	MIC-3956-50AE CPCI 50W PSU	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range, DC power is under development
			+5 V
		Max. Load	10 A
		Min. Load	0.1 A
Environment	Temperature	Operating -25 ~ 55° C (-13 ~ 131° F)	Non-Operating -40 ~ 80° C (-40 ~ 176° F)
	Humidity	10 ~ 95% @ 40° C, non-condensing	
	Shock	10 G	30 G
	Vibration (5 ~ 500 Hz)	1.06 Grms	2 Grms
Physical Characteristics	Dimensions (W x H x D)	436.8 x 133.3 x 252 mm (17.2" x 5.25" x 9.92")	
	Weight	4.76kg (10.5 lb)	
Reliability	MTBF at 25° C ambient	Backplane	Power supply
		147,077 hours	746,880 hours @ 100% load
Compliance	PICMG 2.0 R3.0 CompactPCI Specification		
	PICMG 2.1 R2.0 CompactPCI Hot Swap Specification		
	PICMG 2.11 R3.0 Front-Access Power Connectors Specification		
RoHS, CE, FCC GB/T 17626			

Related Products

CPU Board	Description
MIC-3329B1-D1E	MIC-3329 w/ E3827 4G RAM dual slot
MIC-3329C1-D1E	MIC-3329 w/ E3845 4G RAM dual slot

Ordering Information

Part Number	Description
MIC-3023D1-A1E	3U CPCI fanless enclosure dual system with 2 backplane, 2 AC-In panel
MIC-3023S1-D1E	3U CPCI fanless enclosure single system with 1 back plane, 2 CPCI power connector for DC-Input power