

MIC-3043

4U-High CompactPCI® Platform with cPCI Power Supply/Removable HDD Bay (CT Bus or Non-CT Bus)



Features

- 4U-high enclosure for 6U CompactPCI® boards
- 6-slot 6U CompactPCI backplane
- Supports two removable SCSI/IDE HDD bays
- Build-in IDE slim-type CD-ROM
- 500 W 2+1 hot-swappable/redundant AC or DC CompactPCI power supplies
- Supports hot-swappable fan modules
- Supports computer telephony specification (PICMG® 2.5)
- Built-in intelligent chassis management module (MIC-3924L-A)

Introduction

The MIC-3043 is a 4U-high enclosure designed for mission-critical and high-reliability applications such as Networking, Telecommunication, Computer Telephony Integration, and Image Processing. It is equipped with a hot-swappable CompactPCI redundant power supply and a hot-swappable fan module to minimize MTTR (Mean-Time-to-Repair). The MIC-3043 supports IEEE 1101.11 rear I/O transition boards. Users can route I/O signals to the rear transition boards for simplified system cabling. Front boards pop in and out without any hardwiring.

The MIC-3043 has built-in hot-swappable SCSI/removable IDE HDD bay as standard. One slim-type CD-ROM provides users more flexibility if storage media demands.

The MIC-3043 has a built-in high-quality backplane that supports 64-bit/66 MHz bus speed with impedance control and full-range compatibility. The H.110 Bus complies with PICMG® 2.5, which is an open architecture ideal for telecom solutions or development platforms.

With an optional Chassis Management Module (MIC-3924A-B), the chassis temperature and fan speed can be monitored. The built-in Web-based administration interface allows users to monitor the system's operation from any place with Internet connectivity, making it easy to take any action necessary to avert system failure. Notification is delivered by a warning LED and beep tones.

Specifications

Module Name		MIC-3043A	MIC-3043B	MIC-3043C
Backplane	6U Slot	6U CompactPCI slot x 6, transition x 6 (80mm, IEEE1101.11 compatible)		
	H.110 CT Bus	Yes	No	Yes
	Bus	32-bit/33 MHz, 64-bit/66 MHz		
	VI/O Voltage	+3.3 V/+5 V (selectable)		
Cooling	Fan	2 (front 193 CFM and rear 61.3 CFM)		
Drive Bay	HDD (3.5")	2 (IDE)	2 (IDE)	2 (SCSI)
	CD-ROM (slim)	1		
Management Interface	Alarm indicators	2 (fan failure and system overheating)		
Power Requirement	Input	AC 100-240 V @ 50-60 Hz, full range (MIC-3043X-A) or DC -48 V (TYP), -36~-72 V range		
	Output	500W 2+1 hot-swappable & redundant AC or DC with PFC		
		+3.3 V	+5 V	+12 V
		-12 V		
Reliability	Max. Load	36 A	50 A	10 A
	Min. Load	0 A	2.0 A	0 A
	MTBF	Backplane	Fan module	Power supply
		800,000 hours	50,000 hours @25°C	100,000 hours @70%
Environment		Operating		
	Temperature	0 ~ 45° C, (32~113° F)		
		Non-Operating		
	Humidity	-20 ~ 60° C, (-4 ~ 140° F)		
Physical Characteristics	Shock	10 G		
	Vibration (5-500 Hz)	1.0 Grms		
	Dimensions (WxHxD)	440 x 177 x 300 mm (17.3" x 7" x 12.6")		
	Weight	18 kg (39.7 lb)		
Compliance	PICMG 2.0 R3.0	Yes		
	PICMG 2.1 R2.0	Yes		
	PICMG 2.11 R3.0	Yes		
	PICMG 2.5 R1.0	Yes	No	Yes
	Safety	CE, FCC, UL, CCC		

Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Alarm Board
MIC-3043A	MIC-3369A-Mx MIC-3369C-Mx MIC-3358A-Mx	RIO-3309C-A, RIO-3309S-A2 RIO-3309C-A, RIO-3309S-A2 RIO-3309C-A, RIO-3309S-A2	Default Solution: MIC-3924L-A Upgrade Solution: MIC-3924A-B, MIC-3924B-B
MIC-3043B	MIC-3369A-Mx MIC-3369C-Mx MIC-3358A-Mx	RIO-3309C-A, RIO-3309S-A2 RIO-3309C-A, RIO-3309S-A2 RIO-3309C-A, RIO-3309S-A2	
MIC-3043C	MIC-3369A-Mx MIC-3369C-Mx MIC-3358A-Mx	RIO-3309S-A1 RIO-3309S-A1 RIO-3309S-A1	

Ordering Information

Model Name	CT Bus	Drive Bay	Media Support	Alarm Board	CPCI Power
MIC-3043A	✓	IDE	Slim CD-ROM	MIC-3924L-A	NA
MIC-3043A-B	✓	IDE	Slim CD-ROM	MIC-3924L-A	1+1 (250 W+250 W) AC*
MIC-3043B	NA	IDE	Slim CD-ROM	MIC-3924L-A	NA
MIC-3043B-B	NA	IDE	Slim CD-ROM	MIC-3924L-A	1+1 (250 W+250 W) AC*
MIC-3043C	✓	SCSI	Slim CD-ROM	MIC-3924L-A	NA
MIC-3043C-B	✓	SCSI	Slim CD-ROM	MIC-3924L-A	1+1 (250 W+250 W) AC*

* Please contact your local distribution for DC and 500 W (2+1) power supply order.

Accessories

Part Number	Description
1757000009	One 250 W AC CPCI Power Supply
1757000011	One 250 W DC CPCI Power Supply
968A390002	MIC-3924A-B intelligent chassis management module
968A390012	MIC-3924B-B intelligent chassis management module with blade server
968A390022	MIC-3924L-A Alarm Module for MIC-3043

