

MIC-3043

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

NEW



Features

- 6-slot 6U CompactPCI® backplane
- Supports two removable SCSI/IDE HDD bays
- Built-in IDE slim-type CD-ROM
- AC or DC cPCI 500 W+250 W redundant (2+1) power supplies
- Supports hot-swappable fan modules
- PICMG 2.5 (CompactPCI Computer Telephony) compliance
- Built-in intelligent chassis management module (MIC-3924L-A)

Introduction

The MIC-3043 is a 4U 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	System x 1, Peripheral x 5, Rear transition x 6 (80mm, IEEE1101.11 compliant)		
	H.110 CT Bus	Yes	-	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, rear: 61.3 CFM)		
Drive Bay	3.5" HDD	2 (IDE)	2 (IDE)	2 (SCSI)
	Slim CD-ROM	1	1	1
Management Interface	Alarm indicators	2 (fan failure and system overheating)		
Power Supply	Input	AC 100-240 V @ 50-60 Hz, full range (MIC-3043X-A) or DC -48 V (TYP), -36 ~ -72 V range		
	Output	AC or DC cPCI 250 W redundant power module		
		+3.3 V	+5 V	+12 V
	Max. Load	36 A	50 A	10 A
	Min. Load	0 A	2.0 A	0 A
Reliability	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)		
	Humidity	-20 ~ 60 °C, (-4 ~ 140 °F)		
	Shock	10 ~ 95% @ 40 °C, non-condensing		
	Vibration (5 ~ 500 Hz)	10 G		
Physical Characteristics	Dimensions (W x H x D)	440 x 177 x 320 mm (17.3" x 7" x 12.6")		
	Weight	18 kg (39.7 lb)		
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		
		PICMG 2.5 R1.0 CompactPCI Computer Telephony Specification (MIC-3043B is not compliant with PICMG 2.5)		
		CE, FCC, UL, CCC		

Backplane Information

Physical Number	Function
6	I/O slot
5	System slot
4	I/O slot
3	I/O slot
2	I/O slot
1	I/O slot

MIC-3811, CT Bus backplane (for MIC-3043A/C)

MIC-3812, non-CT Bus backplane (for MIC-3043B)

Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Alarm Board
MIC-3043A	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-3043B	MIC-3390	RIO-3310S-Ax	
	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-3390	RIO-3310S-Ax	
	MIC-3369C-Mx MIC-3358A-Mx	RIO-3309S-A1 RIO-3309S-A1 RIO-3309S-A1	
	MIC-3390	RIO-3310S-Ax	

Ordering Information

Part Number	PICMG 2.5	Drive Bay	Media Support	Alarm Board	cPCI Power Supply
MIC-3043A	Yes	IDE	Slim CD-ROM	MIC-3924L-A	-
MIC-3043A-B	Yes	IDE	Slim CD-ROM	MIC-3924L-A	AC cPCI 250 W+250 W redundant (1+1)
MIC-3043B	-	IDE	Slim CD-ROM	MIC-3924L-A	-
MIC-3043B-B	-	IDE	Slim CD-ROM	MIC-3924L-A	AC cPCI 250 W+250 W redundant (1+1)
MIC-3043C	Yes	SCSI	Slim CD-ROM	MIC-3924L-A	-
MIC-3043C-B	Yes	SCSI	Slim CD-ROM	MIC-3924L-A	AC cPCI 250 W+250 W redundant (1+1)

Note: Please contact your local distributor to order DC and 500 W (2+1) power supplies.

Accessories

Part Number	Description
1757000190	One AC cPCI 250 W redundant power module (included)
1757000011	One DC cPCI 250 W redundant power module
968A390002	MIC-3924A-B intelligent chassis management module
968A390022	MIC-3924L-A alarm module for MIC-3043 (included)

