

MIC-3043

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

NEW



Features

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

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 hot-swappable fan modules 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 two hot-swappable SCSI/SATA or removable IDE HDD bays and one slim CD-ROM as standard.

The MIC-3043 has a high-quality backplane that supports impedance control and 64-bit / 66 MHz cards for full compatibility. The H.110 CT 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-BE), CPU board temperature and voltage can be monitored and digital I/O lines remotely controlled via a Web-based interface. This enables users to remotely avert system failure. Notification is delivered by a warning LED and beep tones.

Specifications

		MIC-3043A	MIC-3043B	MIC-3043C	MIC-3043D
Backplane	6U Slot	System x 1, Peripheral x 5, Rear transition x 6 (80 mm, IEEE1101.11 compliant)			
	H.110 CT Bus	Yes	-	Yes	Yes
	Bus	32-bit/33 MHz, 64-bit/66 MHz			
	V (I/O)	+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)	2 (SATA)
	Slim CD-ROM	1	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-XX) 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	-12 V
	Max. Load	36 A	50 A	10 A	1 A
	Min. Load	0 A	2.0 A	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		Non-Operating	
	Temperature	0 ~ 45° C, (32 ~ 113° F)		-20 ~ 60° C, (-4 ~ 140° F)	
	Humidity	-		10 ~ 95% @ 40° C, non-condensing	
	Shock	10 G		30 G	
	Vibration (5 ~ 500 Hz)	1.0 Grms*		2.0 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) RoHS, CE, FCC, UL, CCC			

* Without SCSI/IDE/SATA HDD

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/B)

MIC-3812, non-CT Bus backplane (for MIC-3043C/D)

Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Chassis Management Module	
MIC-3043AE MIC-3043A-AE	MIC-3369C-MxE, MIC-3358A-MxE MIC-3390E, MIC-3390-AE MIC-3392A-ME, MIC-3392B-MxE	RIO-3309C-AE, RIO-3309S-A2E, RIO-3309S-A1E RIO-3310AE, RIO-3310S-A2E, RIO-3310S-A1E	Included MIC-3924L-AE	Optional MIC-3924A-BE MIC-3927AE
MIC-3043BE MIC-3043B-BE	MIC-3369C-MxE, MIC-3358A-MxE MIC-3390E, MIC-3390-AE MIC-3392A-ME, MIC-3392B-MxE	RIO-3309C-AE, RIO-3309S-A2E, RIO-3310S-A1E RIO-3310AE, RIO-3310S-A2E, RIO-3310S-A1E		
MIC-3043CE MIC-3043C-BE	MIC-3369C-MxE, MIC-3358A-MxE MIC-3390E, MIC-3390-AE MIC-3392A-ME, MIC-3392B-MxE	RIO-3309S-A1E RIO-3310S-A1E		
MIC-3043DE MIC-3043D-BE	MIC-3369C-MxE, MIC-3358A-MxE MIC-3390E, MIC-3390-AE MIC-3392A-ME, MIC-3392B-MxE	RIO-3309S-A1E, RIO-3309C-AE, RIO-3309S-A2E RIO-3310S-A1E, RIO-3310S-A2E, RIO-3310AE		

Ordering Information

Part Number	PICMG 2.5	HDD Bay	Media Support	Chassis Management Module	cPCI Power Supply
MIC-3043AE	Yes	IDE	Slim CD-ROM	MIC-3924L-AE	-
MIC-3043A-BE	Yes	IDE	Slim CD-ROM	MIC-3924L-AE	Hot-swap AC cPCI 250 W + 250 W
MIC-3043BE	-	IDE	Slim CD-ROM	MIC-3924L-AE	-
MIC-3043B-BE	-	IDE	Slim CD-ROM	MIC-3924L-AE	Hot-swap AC cPCI 250 W + 250 W
MIC-3043CE	Yes	SCSI	Slim CD-ROM	MIC-3924L-AE	-
MIC-3043C-BE	Yes	SCSI	Slim CD-ROM	MIC-3924L-AE	Hot-swap AC cPCI 250 W + 250 W
MIC-3043DE	Yes	SATA	Slim CD-ROM	MIC-3924L-AE	-
MIC-3043D-BE	Yes	SATA	Slim CD-ROM	MIC-3924L-AE	Hot-swap AC cPCI 250 W + 250 W

Note: Please contact your local distributor to order AC or DC 500W + 250W (2+1) redundant power suppliers.

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-BE intelligent chassis management module
968A390022	MIC-3924L-AE alarm module (included)
968A390030	MIC-3927 intelligent chassis management module (IPMI)

