

# MIC-3043

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



### 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 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.

### 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)			
	Output	AC 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	Temperature	Operating 0 ~ 45° C, (32 ~ 113° F)		Non-Operating -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/C/D)

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

## Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Chassis Management Module	
MIC-3043AE MIC-3043A-BE	MIC-3369C-MxE, MIC-3358A-MxE MIC-3390E, MIC-3390-AE MIC-3392A-MxE, 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-MxE, 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-MxE, 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-MxE, 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 500W + 250W (2+1) redundant power suppliers.

## Accessories

Part Number	Description
1757000190G	One AC cPCI 250 W redundant power module (included)
1757000011	One DC cPCI 250 W redundant power module
968A390022	MIC-3924L-AE alarm module (included)
MIC-3927CE	MIC-3927 intelligent chassis management module (IPMI)

