

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 (CT or Non-CT Bus)
- Supports removable HDD bays (up to 2 3.5" SATA/SAS or up to 4 2.5" SATA/SAS drives)
- Built-in SATA slim-type DVD-RW/RAM
- AC cPCI 250 W + 250 W redundant (1+1) or 500W+250W (2+1) power supplies
- Supports hot-swappable fan modules
- PICMG 2.5 (CompactPCI Computer Telephony) compliance (MIC-3043D)
- 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 six 6U CompactPCI blades and rear I/O transition boards. Users can route I/O signals to the rear transition boards for simplified system cabling. Front boards and RTMs can be swapped in and out the system without powering down. The MIC-3043 has removable SATA/SAS HDD bays and one slim DVD-RW as standard. The MIC-3043 has a high-quality backplane with impedance controlled design that supports 64-bit / 66 MHz cards. The H.110 CT Bus complies with PICMG 2.5, which is an open architecture ideal for telecom solutions.

Specifications

		MIC-3043D	MIC-3043E	MIC-3043F
Backplane	6U Slot	System x 1, Peripheral x 5, Rear transition x 6 (80 mm, IEEE1101.11 compliant)		
	H.110 CT Backplane	Yes	-	-
	Backplane	32-bit/33 MHz, 64-bit/66 MHz CompactPCI Rev. 3.0, PICMG2.9		
	V (I/O)	+3.3 V/+5 V (selectable)		
Cooling	Fan	2 (front: 193 CFM, rear: 61.3 CFM)		
	HDD	2 (3.5" SATA/SAS)	2 (3.5" SATA/SAS)	4 (2.5" SAS/SATA or SSD)
Drive Bay	Slim DVD-RW/RAM	1	1	1
	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 (1+1 configuration)		
		+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	Power supply	FAN
		800,000 hours	100,000 hours @ 70%	80000 hours @ 40°
		Operating	Non-Operating	
Environment	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-3043D only)			
	RoHS, 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-3043D)

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

Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Chassis Management Module	
MIC-3043D2E MIC-3043D2-BE	MIC-3392A-MxE, MIC-3392B-MxE, MIC-3392A2-MxE, MIC-3392B2-MxE, MIC-3392LE	RIO-3310S-A1E, RIO-3310S-A2E, RIO-3310AE, RIO-3310BE	Included MIC-3924L-AE	Optional MIC-3927CE
MIC-3043E2E MIC-3043E2-BE	MIC-3392A-MxE, MIC-3392B-MxE, MIC-3392A2-MxE, MIC-3392B2-MxE, MIC-3392LE MIC-3395A1-M4E, MIC-3395A2-M4E, MIC-3395B1-M4E, MIC-3395C1-M4E MIC-3396HA-M8E, MIC-3396HB-M8E, MIC-3396HC-M8E,	RIO-3310AE, RIO-3310S-A2E, RIO-3310S-A1E, RIO-3310BE RIO-3315-A1E, RIO-3315-B1E, RIO-3315-C1E RIO-3316-C1E		
MIC-3043FE MIC-3043F-BE	MIC-3392A-MxE, MIC-3392B-MxE, MIC-3392A2-MxE, MIC-3392B2-MxE, MIC-3392LE MIC-3393A-M2E, MIC-3393B-M2E, MIC-3393C-M2E, MIC-3393D-M2E MIC-3395A1-M4E, MIC-3395A2-M4E, MIC-3395C1-M4E MIC-3396HA-M8E, MIC-3396HB-M8E, MIC-3396HC-M8E	RIO-3310AE, RIO-3310S-A2E, RIO-3310S-A1E, RIO-3310BE RIO-3311-A1E, RIO-3311-A2E, RIO-3313-A1E RIO-3315-A1E, RIO-3315-B1E, RIO-3315-C1E RIO-3316-C1E		

Ordering Information

Part Number	PICMG 2.5	HDD Bay	Media Support	Chassis Management Module	cPCI Power Supply
MIC-3043D2E	Yes	3.5" SATA x 2	Slim DVD-RW/RAM	MIC-3924L-AE	-
MIC-3043D2-BE	Yes	3.5" SATA x 2	Slim DVD-RW/RAM	MIC-3924L-AE	Hot-swap AC cPCI 250 W + 250 W
MIC-3043E2E	-	3.5" SATA x 2	Slim DVD-RW/RAM	MIC-3924L-AE	-
MIC-3043E2-BE	-	3.5" SATA x 2	Slim DVD-RW/RAM	MIC-3924L-AE	Hot-swap AC cPCI 250 W + 250 W
MIC-3043FE	-	2.5" SATA/SAS HDD/SSD x4	Slim DVD-RW/RAM	MIC-3924L-AE	-
MIC-3043F-BE	-	2.5" SATA/SAS HDD/SSD x4	Slim DVD-RW/RAM	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.

Optional Accessories

Part Number	Description
1757004516-01	AC cPCI 250 W redundant power module
MIC-3927CE	MIC-3927 Intelligent chassis management module (IPMI)

Built-in alarm module (MIC-3924L-AE)



Hot-swappable rear fan

Supports IEEE 1101.11 rear I/O transition boards

Two hot-swappable SATA HDD bays



6-slot 6U cPCI backplane AC cPCI 500 W + 250 W redundant (2+1) power supplies

One slim-type CD-ROM



Hot-swappable 193-CFM fan module