

# MIC-3042

## 4U-High CompactPCI® Platform with Standard cPCI Power Supply (CT Bus or PICMG® 2.16)

**NEW**



CE FCC UL

### Features

- 4U-high enclosure for 6U CompactPCI® boards
- 8-slot 6U CompactPCI backplane
- Standard 500 W 2+1 hot-swappable/redundant AC or DC CompactPCI power supplies
- Supports packet switching backplane specification (PICMG 2.16)
- Supports computer telephony specification (PICMG 2.5)
- Built-in intelligent chassis management module (MIC-3924L-A)

### Introduction

The MIC-3042 is a 4U-high enclosure designed for standard cPCI power supplies. It is equipped with 500 W 2+1 redundant cPCI power supply with hot swappable support. The system has 8 slots for CompactPCI boards and IEEE 1101.11 rear I/O transition boards. The MIC-3042 comes with built-in high quality backplane as standard that provides 64-bit/66 MHz PCI bus speed. The standard configuration includes H.110 Bus which complies with PICMG 2.5, which is the open architecture to build telecom solutions.

### Specifications

		MIC-3042A		MIC-3042B	
Backplane	System Slot	Physical #1 slot		Physical #2 slot	
	Switch Slot	Physical #8 slot		NA	
	Media Blade MIC-3960 Slot	NA		Physical #1 slot*	
	Blade Server support	Yes		No	
	Bus	Up to 64-bit/66 MHz PCI bus			
	H.110 CT Bus	Yes		Yes	
	V/I/O Voltage	+3.3 V/+5 V (selectable)			
Cooling	Fan	2 (front 193 CFM and rear 61.3 CFM)			
Power Requirement	Input	AC 100 ~ 254 V @ 50 ~ 60 Hz, full range (MIC-3042X-A) or DC -48 V (TYP), -36~ -72 V range (MIC-3042X-D)			
	Output	500 W + 250 W 2+1 hot swappable & redundant AC or DC (w/PFC)			
	AC or DC	+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
Environment	Temperature	Operating 0 ~ 45 °C (32 ~ 113 °F)		Non-Operating -20 ~ 60 °C (-4 ~ 140 °F)	
	Humidity	20 ~ 90 % @ 40 °C, non-condensing		10 ~ 95 % @ 40 °C, non-condensing	
	Shock	10 G		30 G	
	Vibration (5-500 Hz)	1.0 Grms		2.0 Grms	
	Physical Characteristics	Dimensions (W x H x D)	440 x 177 x 320 mm (17.3" x 7" x 12.6")		
Weight		18kg (39.7 lb)			
Reliability	MTBF	Backplane	Fan module	Power supply	
		800,000 hours	50,000 hours @ 25° C	100,000 hours @ 70% load	
Serviceability	MTTR	5 minutes			
Compliance	PICMG 2.0 R3.0 CompactPCI Core Specification	V		V	
	PICMG 2.1 R2.0 CompactPCI Hot-Swap Specification	V		V	
	PICMG 2.5 R1.0 CompactPCI Computer Telephony Specification	V		V	
	PICMG 2.16 R1.0 CompactPCI Packet Switching Backplane Specification	V		NA	
	EMI/Safety	CE, FCC, UL			

\* Supports either 1 FDD or CD ROM or 1 2.5" HDD in MIC-3960

## Backplane Information

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

MIC-3042A, CT backplane (for MIC-3042A series)

Physical Number	Function
8	I/O slot
7	I/O slot
6	I/O slot
5	I/O slot
4	I/O slot
3	I/O slot
2	System slot
1	Media Blade slot

MIC-3042B, CT backplane (for MIC-3042B series)

## Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Alarm Board (upgrade to remote CMM)
MIC-3042A	MIC-3369C-Mx MIC-3358A-Mx	RIO-3309C-A, RIO-3309S-A2 RIO-3309C-A, RIO-3309S-A2	Default Solution: MIC-3924L-A Upgrade Solution: MIC-3924A-B
MIC-3042B	MIC-3369C-Mx MIC-3358A-Mx	RIO-3309C-A, RIO-3309S-A2 RIO-3309C-A, RIO-3309S-A2	
	MIC-3358L	RIO-3309L	
	MIC-3359	RIO-3309L	

## Ordering Information

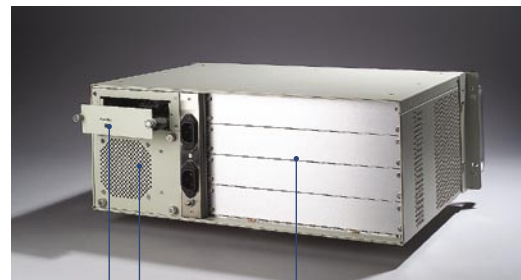
Model Name	2.16	CT	PCI	Switch Board Support	Media Blade support	Alarm Board	CPCI Power Supply
MIC-3042A	V	V	V	V	NA	MIC-3924L-A	NA
MIC-3042A-A	V	V	V	V	NA	MIC-3924L-A	2+1 AC
MIC-3042A-D	V	V	V	V	NA	MIC-3924L-A	2+1 DC
MIC-3042B	NA	V	V	NA	V	MIC-3924L-A	NA
MIC-3042B-A	NA	V	V	NA	V	MIC-3924L-A	2+1 AC
MIC-3042B-D	NA	V	V	NA	V	MIC-3924L-A	2+1 DC

## Accessories

Part Number	Description
1757000190	One 250 W AC CPCI Power Supply
1757000011	One 250 W DC CPCI Power Supply
968A390002	MIC-3924A-B intelligent chassis management module
968A390022	MIC-3924L-A Alarm Module for MIC-3042



LED board  
2+1 redundant CPCI power supply  
Hot-swappable 193-CFM fan module



MIC-3924L Alarm Board  
Hot Swappable Rear Fan  
Support IEEE 1101.11 rear I/O transition boards

- IPC Pre-Configured Systems **1**
- Industrial Motherboard **2**
- Industrial Motherboard Chassis **3**
- Full-sized CPU Cards **4**
- Industrial Computer Chassis **5**
- Industrial Computer Peripherals **6**
- 6U CompactPCI Enclosures **7**
- 6U CompactPCI Boards **8**
- 6U CompactPCI I/O **9**
- 6U CompactPCI Accessories **10**
- Internet Security Platforms **11**
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- Standalone Digital Video Recorder **13**
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