MIC-3042

4U CompactPCI® Enclosure with cPCI Power Supply (CT Bus non-CT Bus or PICMG 2.16)

Features

- 8-slot 6U CompactPCI® backplane
- AC cPCI 500 W + 250 W redundant (2+1) power supplies
- PICMG 2.16 (CompactPCI Packet Switching Backplane) compliance
- PICMG 2.5 (CompactPCI Computer Telephony) compliance

Introduction

The MIC-3042 is a 4U enclosure designed for standard cPCI power supplies. It is equipped with a cPCI 500 W redundant 2+1 power supply with hot-swap support. The system has 8 slots for CompactPCI boards and 6 slots for IEEE 1101.11 rear I/O transition boards. The MIC-3042 comes with a built-in high quality backplane that supports 64-bit / 66 MHz PCI cards. The standard configuration includes a H.110 CT Bus that complies with PICMG 2.5, which is the open architecture used to build telecom solutions.

Specifications

		MIC-3042A	MIC-3042B	MIC-3042C
Backplane	6U Slot	System x 1, Peripheral x 6, Switch x 1, Rear transition x 8 (80 mm, IEEE1101.11 compliant)	System x 1, Peripheral x 6, Media x 1, Rear transition x 7 (80 mm, IEEE1101.11 compliant)	System x 1, Peripheral x 7, Rear transition x 8 (80 mm, IEEE1101.11 compliant)
	Bus	Up to 64-bit/66 MHz PCI bus		
	H.110 CT Bus	Yes	Yes	No
	V (I/O)	+3.3 V/+5 V (selectable)		
Cooling	Fan	2 (front: 193 CFM, rear: 61.3 CFM)		
Power Supply	Input	AC 100 ~ 254 V @ 50 ~ 60 Hz, full range (MIC-3042X-A)		
	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
Environment		Operating	Non-Operating	
	Temperature	0 ~ 45° C (32 ~ 113° F)	-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 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)		
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 Specification PICMG 2.1 R2.0 CompactPCI Hot Swap Specification PICMG 2.5 R1.0 CompactPCI Computer Telephony Specification PICMG 2.11 R3.0 Front-Access Power Connectors Specification PICMG 2.16 R1.0 CompactPCI Packet Switching Backplane Specification (MIC-3042B, MIC-3042C are not compliant with PICMG 2.16)			
	RoHS, CE, FCC, UL, CCC			

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, PICMG 2.16 / 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)

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	I/O slot
1	System slot

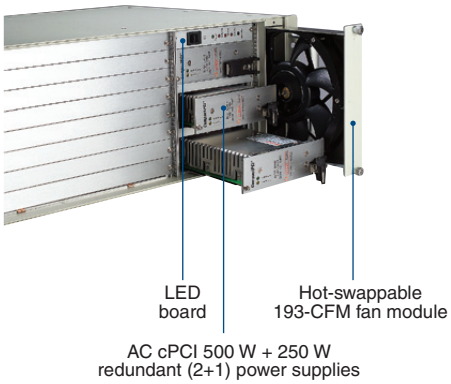
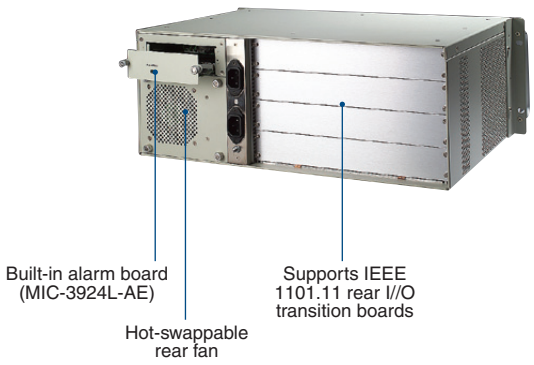
MIC-3042C, non-CT backplane (for MIC-3042C series)

Recommended Configurations

Enclosure	CPU Board	Rear I/O Board	Chassis Management Module
MIC-3042AE MIC-3042A-AE MIC-3042BE MIC-3042B-AE	MIC-3392A-MxE, MIC-3392B-MxE, MIC-3392A2-MxE, MIC-3392B2-MxE, MIC-3392LE	RIO-3310S-A2E, RIO-3310BE	Included MIC-3924L-AE or Optional MIC-3927CE
MIC-3042CE MIC-3042C-AE	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	RIO-3310S-A2E, RIO-3310BE RIO-3315-A1E, RIO-3315-B1E, RIO-3315-C1E	

Ordering Information

Part Number	PICMG 2.16	PICMG 2.5	PCI	Switch Board Support	Media Blade Support	Chassis Management Module	cPCI Power Supply
MIC-3042AE	Yes	Yes	Yes	Yes	-	MIC-3924L-AE	-
MIC-3042A-AE	Yes	Yes	Yes	Yes	-	MIC-3924L-AE	AC cPCI 500 W + 250 W redundant (2+1)
MIC-3042BE	-	Yes	Yes	-	Yes	MIC-3924L-AE	-
MIC-3042B-AE	-	Yes	Yes	-	Yes	MIC-3924L-AE	AC cPCI 500 W + 250 W redundant (2+1)
MIC-3042CE	-	-	Yes	-	-	MIC-3924L-AE	-
MIC-3042C-AE	-	-	Yes	-	-	MIC-3924L-AE	AC cPCI 500 W + 250 W redundant (2+1)

Optional Accessories

Part Number	Description
1757000190G	One AC cPCI 250 W redundant power module
MIC-3927CE	MIC-3927 intelligent chassis management module (IPMI)