

MIC-3041

4U CompactPCI® Enclosure with 6-slot 6U Backplane and Redundant Power Supply (CT or Non-CT Bus and Rear I/O)



CE UL FCC

Features

- 4U-high enclosure for 6U CompactPCI boards
- 6-slots 6U CompactPCI backplane (two options: H.110 CT bus or Non-CT bus)
- Supports two hot-swappable SCSI HDD bays or two removable IDE HDD bays
- Supports rear I/O
- Built-in IDE slim-type CD-ROM and floppy
- 300 W ATX 1+1 redundant power supply
- Supports hot-swappable fan modules
- Optional intelligent chassis management module (MIC-3924)

Introduction

The MIC-3041 is a 4U-high enclosure designed for mission critical and high reliability applications. It is equipped with redundant power supply and hot swappable fan module to minimize MTTR (Mean Time to Repair). This system supports 6 standard CompactPCI boards and 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-3041 has two built-in hot-swappable SCSI HDD bays or removable 3.5" IDE HDD bays as standard. One slim-type FDD and slim CD-ROM provide users more flexibility for storage media demands. There are two options for backplanes: CT bus or Non-CT bus design. The default H.110 bus complies with PICMG 2.5, which is the open architecture to build-up a telecom solution or as an ideal development platform. The Non-CT bus design is perfect for IA instruments and military applications.

Specifications

		MIC-3041A/6-4R	MIC-3041B/6-4R	MIC-3041C/6-4R & MIC-3041CW/6-4R			
Backplane	System Slot	Physical # 2	Physical # 2	Physical # 5			
	Slot Number	6U CompactPCI x6, transition x6 (80mm, IEEE1101.11 compatible)					
	Bus	32-bit/33 MHz, 64-bit/66 MHz					
	V _{I/O} Voltage	3.3 V/5 V (short-bar selectable)					
Drive Bay	3.5" SCSI HDD	2	--	--			
	3.5" IDE HDD	--	2 (removable)	2 (removable)			
	Slim CD-ROM	1					
	Slim FDD	1					
Cooling	Fan	1 (163 CFM) on the chassis bottom (outlet)					
Power Requirement	Input	AC 100 ~ 240 V @ 47 ~ 63 Hz, full range					
	Output	300 W ATX redundant power supply with PFC (300 W/each)					
		+3.3 V*	+5 V*	-5 V	+12 V	-12 V	+5 Vsb
	Max. Load	20 A	32 A	0.5 A	16 A	0.8 A	2.0 A
	Min. Load	1.0 A	3.0 A	0.0 A	2.0 A	0.0 A	0.1 A
Environment		Operating			Non-Operating		
	Temperature	0 ~ 45 °C (32 ~ 113 °F)			-40 ~ 60 °C (-40 ~ 140 °F)		
	Humidity	--			10-95% @ 40 °C, non-condensing		
	Shock	10 G			30 G		
	Vibration (5-500 Hz)	1.0 Grms			2.0 Grms		
Physical	Dimensions (W x H x D)	440 x 177 x 300 mm (17.3" x 7" x 11.8")					
	Weight	14 Kg (30.8 lb)					
Reliability	MTBF	100,000 hours					
Serviceability	MTTR	5 minutes					
Compliance	Standard	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 (optional)					

*Max. output 35A for +5V and +3.3V.

Backplane Information

1	I/O slot
2	System slot
3	I/O slot
4	I/O slot
5	I/O slot
6	I/O slot

MIB-3041A, CT bus backplane (for MIC-3041A/6-4R & MIC-3041B/6-4R)

6	I/O slot
5	System slot
4	I/O slot
3	I/O slot
2	I/O slot
1	I/O slot

MIB-3804, Non-CT bus backplane (for MIC-3041C/6-4R & MIC-3041CW/6-4R)

Recommended Configurations

Enclosure	CPU Board	RIO Card *	Alarm module
MIC-3041A/6-4R	MIC-3368E	RIO-3308S-A	MIC-3924L-A**
	MIC-3368E1		
	MIC-3389	RIO-3302S-A	
	MIC-3377/M		
	MIC-3358A	RIO-3309C-A	
MIC-3041B/6-4R	MIC-3369A	RIO-3309L	MIC-3924L-A**
	MIC-3358L		
	MIC-3358A	RIO-3309C-A	
MIC-3041C/6-4R & MIC-3041CW/6-4R	MIC-3369A	RIO-3309L	MIC-3924L-A**
	MIC-3358L		
	MIC-3358A	RIO-3309C-A	

* Rear I/O of peripheral slot #6 which is reserved for SCSI or IDE cable routing cannot be used.

** One can upgrade the alarm module from MIC-3924L-A to MIC-3924A-A or MIC-3924B-A

- MIC-3924L-A: Chassis management module without remote control for general purpose chassis, with single SBC application.
- MIC-3924A-A: Chassis management module for general purpose chassis, with single SBC application
- MIC-3924B-A: Chassis management module for multi-SBC application

Ordering Information

Model Name	Chassis Color	CD-ROM	FDD	HDD Drive Bay	Power Supply	H.110 CT Bus
MIC-3041A/6-4R	Black	1	1	2 (SCSI)	300 W (1+1) AC ATX	Yes
MIC-3041B/6-4R	Black	1	1	2 (IDE)	300 W (1+1) AC ATX	Yes
MIC-3041C/6-4R	Black	1	1	2 (IDE)	300 W (1+1) AC ATX	No
MIC-3041CW/6-4R	White	1	1	2 (IDE)	300 W (1+1) AC ATX	No

Parts Information

Part Number	Descriptions
1757000025	300 W AC ATX (1+1) redundant power supply (w/PFC)
1757000023	300 W AC ATX single power supply module of 1757000025 (w/PFC)
1757946002	460 W AC ATX single power supply (w/PFC)
9682304100	163 CFM left hand side fan module (outlet)
9692304160	IDE drawer board supporting Maxtor hard drives

