MIC-3031

Features

- 14-slot 6U CompactPCI backplane
- Supports rear I/O (IEEE 1101.11 compatible)
- 560 W ATX 2+1 redundant power supply
- Three hot-swappable fans
- H.110 CT bus compliant (PICMG® 2.5)
- Built-in alarm module (MIC-3921-A)

* CompactPCI CPU board is not included.

CompactPCI Enclosures	1
CompactPCI Boards	2
CompactPCI Peripherals	3
Blade Servers	4
Network Appliances	5
e-Server Systems	6
Storage Subsystems	7
Industrial Computer Chassis	8
Full-sized CPU Cards	9
Passive Backplanes	10
Industrial Computer Peripherals	11

Introduction

The MIC-3031 is a 12U-high enclosure with 14 CompactPCI slots specially designed for very large-scale, high density CT applications such as trunking gateways, programmable switches, call centers. The 14-slot backplane provides one slot for a CPU board and thirteen PICMG 2.5 compliant peripheral slots with H.110 computer telephony bus. The MIC-3031 supports IEEE 1101.11 rear I/O transition cards. The MIC-3031 device bay accommodates peripheral devices such as hard disk drives, and floppy disk drives. It also provides hot-swappable, load-sharing redundant power supplies for high reliability. The cooling system provides forced cool air into the system through individually hot-swappable fan, allowing users to replace the fans without interrupting the system operation. Well-suited for performance demanding applications, the MIC-3031 is integrated with an intelligent alarm module to monitor and report internal conditions.

Specifications

Backplane	6U Slot	System x1, Peripheral x13, Rear transition x14 (80 mm, IEEE 1101.11 compatible)					
	Bus	32-bit/33 MHz, 64-bit/66 MHz					
	H.110 CT Bus	Yes					
	$V_{I/O}$ Voltage	3.3 V/5 V (short-bar selectable)					
Drive Bay	5.25" HDD	3					
	3.5" FDD	2					
Cooling	Fan	3 (hot-swap, 86 CFM/each)					
Power Requirement	Input	AC 90 ~ 264 V @ 50 ~ 60 Hz (PFC)					
	Output	560 W ATX (2+1 redundant, 280 W/each)					
		+3.3 V	+5 V	-5 V	+12 V	-12 V	+5 Vsb
	Max. Load	36 A	58 A	1.5 A	20 A	1.5 A	1.5 A
	Min. Load	0.3 A	2 A	--	0.5 A	--	--
	Safety	CE, UL, TÜV, CB					
Environment		Operating			Non-Operating		
	Temperature	0 ~ 45 °C (32 ~ 113 °F)			-40 ~ 60 °C (-40 ~ 140 °F)		
	Humidity	--			95 % @ 60 °C, non-condensing		
	Vibration (5-500 Hz)	1.0 Grms			2.0 G		
Physical	Dimensions (W x H x D)	440 x 533 x 342 mm (17.3" x 21" x 13.5")					
	Weight	20 Kg (44 lb)					
Reliability	MTBF	100,000 hours					
Compliance	Standard	PICMG 2.0, R2.1 CompactPCI Specification PICMG 2.1, R1.0 Hot-Swap Specification PICMG 2.5, R1.0 Computer Telephony Specification					

Recommended Configurations

Enclosure	CPU Board Master	Rear I/O Board	Alarm Module and CMM	Remark
MIC-3031/14-12R	MIC-3377D/M MIC-3365D	RIO-3301	MIC-3921	No RIO support

Ordering Information

Part Number	FDD	5.25" Drive Bay	Power Supply	Alarm Module/Chassis Management Module
MIC-3031/14-12R	2	3	560 W ATX (2+1 redundant, 280 W/each)	MIC-3921

Parts Information

Part Number	Descriptions
1757930036	Single power supply module for RPS 560 W (2+1) ATX
9662303206	Fan tray module including metal bracket, 86-CFM x1 fan, fan filter, foam and connector
9662303210	Fan tray module including metal bracket, 115-CFM x 1 fan, and connector

CE UL cUL FCC

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