

MIC-3038

4U CompactPCI® Enclosure with 8-slot 6U Backplane and Redundant Power Supply (CT Bus and Rear I/O)



CE FCC UL

Features

- 8-slot 6U CompactPCI backplane
- Supports rear I/O
- 300 W ATX 1+1 redundant power supply
- Hot-swappable fans
- H.110 CT Bus compliance (PICMG® 2.5)
- Optional intelligent chassis management module (MIC-3924L/A/B)
- Packet Switching Backplane (cPSB) Specification compliance (PICMG 2.16)

Introduction

The MIC-3038 is a high-performance CompactPCI® platform with an 8-slot 6U backplane in a 4U-high enclosure. The 8-slot backplane dedicates one slot to the system CPU board and seven slots to peripheral boards, it also supports PICMG 2.5 compliant H.110 CT Bus and IEEE 1101.11 rear I/O cards. Featured with high availability and ample room for expansion, the MIC-3038 is compliant with the PICMG 2.5 computer telephony specification and is ideal for computing-intensive Blade Servers (Server Farms) and medium-scale next generation network applications such as soft switches and signaling gateways. Its hot-swappable fan module offers outstanding ventilation and the redundant power supplies provide 24/7 non-stop operation. An optional alarm module guarantees system fault detection.

Specifications

Backplane	6U Slot	MIC-3038A/B	System x1, Peripheral x7, Rear transition x8 (80 mm, IEEE 1101.11 compatible)				
		MIC-3038C	Node x7, Fabric x1, Rear transition x7 (80 mm, IEEE 1101.11 compatible)				
	Bus	32-bit/33 MHz, 64-bit/66 MHz					
	H.110 CT Bus	Yes (MIC-3038A/B only)					
	VI/O Voltage	3.3 V/5 V (jumper selectable)					
Cooling	Fan	1 (hot-swap, 163 CFM), 1 (hot-swap, 44 CFM)					
Power Requirement	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range (PFC)					
	Output	300 W ATX (1+1 redundant, 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	1.5 A
	Min. Load	1 A	3 A	-	-	-	-
	Safety	CE, TÜV, UL, 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 Characteristics	Dimensions (W x H x D)	440 x 177 x 340 mm (17.3" x 7" x 13.4")					
	Weight	13 Kg (28.6 lb)					
Reliability	MTBF	100,000 hours					
Compliance	Standard	PICMG 2.0, R3.0 CompactPCI Specification PICMG 2.1, R1.0 Hot-Swap Specification PICMG 2.5, R1.0 Computer Telephony Specification PICMG R 2.16, R1.0 Packet Switching Backplane Specification (MIC-3038C only)					

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

- 1 Industrial Motherboards
- 2 Industrial Motherboard Chassis
- 3 PICMG Single Board Computers
- 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 3U CompactPCI Systems
- 11 Internet Security Platforms
- 12 Network Application Ready Platforms

Recommended Configurations

Enclosure	CPU Board		Rear I/O Board	Alarm Module and CMM	Remark
	Master	Slave			
MIC-3038A/8-4R	MIC-3377/M, MIC-3389	-	RIO-3301, RIO-3302, RIO-3302S	-	-
	MIC-3368B-A	-	RIO-3308	MIC-3924A/L	-
	MIC-3368E-A	MIC-3366*	RIO-3308C, RIO-3308S, RIO-3306	MIC-3924A/L	-
	MIC-3368E1-A	MIC-3366B*			
	MIC-3358L, MIC-3359	-	RIO-3309L	MIC-3924A/L	-
MIC-3358A-Mx, MIC-3369A-Mx, MIC-3369C-Mx	-	RIO-3309C, RIO-3309S-A2	MIC-3924A/B/L	-	
MIC-3038B/8-4R	MIC-3377/M, MIC-3389	-	RIO-3301, RIO-3302, RIO-3302S	-	MIC-3960 (optional)
MIC-3038C/8-4R	MIC-3368C-A	-	RIO-3308C	MIC-3924A/B/L	MIC-8101 (optional)
	MIC-3368E-A	MIC-3366*	RIO-3308C, RIO-3306	MIC-3924A/B/L	MIC-8101 (optional)
	MIC-3368E1-A	MIC-3366B*			
	MIC-3358A, MIC-3369A, MIC-3369C	-	RIO-3309C, RIO-3309S	MIC-3924A/B/L	MIC-8101 (optional)

* Peripheral SBC

Ordering Information

Part Number	System Slot	Media Carrier Board (MIC-3960) Slot	Peripheral Slot	Backplane			Power Supply
				Rear Transition	Segment	Power Supply	
MIC-3038A/8-4R	1	-	7	8	1	300 W ATX (1+1 redundant, 300 W/each)	
MIC-3038B/8-4R	1	1	6	7	1	300 W ATX (1+1 redundant, 300 W/each)	
Part Number	Node Slot	Fabric Node Slot	Peripheral Slot	Rear Transition*	Segment	Power Supply	
MIC-3038C/8-4R	7	1	-	7	1	300 W ATX (1+1 redundant, 300 W/each)	

* Only for node slot rear transition

Accessories

Part Number	Description
1757930045	300 W ATX redundant power supply
1757930051	Single power supply module for 300 W ATX (P/N: 1757930045)
9682303800	Front hot-swappable fan module (163 CFM)
9682303801	Rear hot-swappable fan module (44 CFM)
968A390001	MIC-3924A-A intelligent chassis management module
968A390011	MIC-3924B-A intelligent chassis management module with blade server support
968A390021	MIC-3924L-A alarm module



MIC-3038A/B: 8-slot backplane with H.110 CT Bus
MIC-3038C (cPSB): 8-slot packet switched backplane
Optional intelligent chassis management module MIC-3924, detecting system power, fan speed and CPU temperature



Hot-swappable fan module provides outstanding ventilation
300 W ATX 1+1 redundant power supply