MIC-3056

2U CompactPCI® Enclosure with 4-slot 6U Backplane and Redundant Power Supply (CT Bus and Rear I/O)

Features

- 4-slot 6U CompactPCI backplane
- Supports rear I/O
- 300 W ATX 1+1 redundant power supply
- H.110 CT bus compliant (PICMG® 2.5)
- Hot-swappable fans provide outstanding ventilation
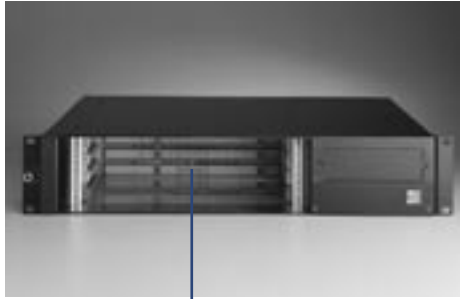- Optional chassis management module

* CompactPCI CPU board is not included.

CE ® FCC

Introduction

Designed for small to medium scale CT applications such as enterprise VoIP gateways and Integrated Access Devices (IADs), the MIC-3056 is a 2U-high CompactPCI enclosure, which can accommodate four 6U CompactPCI CPU boards. In addition to being cost-effective and space-conscious, the CPU board's modular design is hot-swappable from the front allowing efficient installation, maintenance, and upgrade ability. The hot-swappable fans conveniently assist users when managing and maintaining the system. The MIC-3056 also monitors the internal temperature via optional chassis management module to avoid over-heating. The 300 W ATX 1+1 redundant power supply design not only enhances its reliability but also makes this 2U platform especially suitable for mission-critical applications under hazardous environments. The CT bus is H.110 compliant (PICMG 2.5) and rear I/O supported. The MIC-3056's most unique feature is that a single slot can also be converted into a media slot to facilitate system storage expansion.
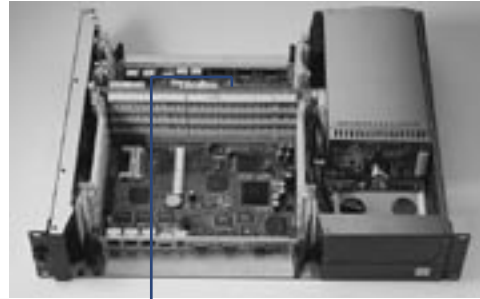
Specifications

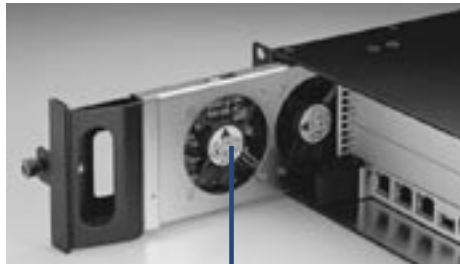|								
Backplane	6U Slot	System x1, Peripheral x3, Rear transition x4 (80 mm, IEEE 1101.11 compatible)						
	Bus	32-bit/33 MHz, 64-bit/66 MHz						
	H.110 CT Bus	Yes						
	V$_{I/O}$ Voltage	3.3 V/5 V (jumper selectable)						
Cooling	Fan	3 (hot-swap, 21 CFM/each)						
Power Requirement	Input	AC 100 ~ 240 V @ 47 ~ 63 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	--	2 A	--	0.1 A	
	Safety	CE, UL, cUL, TÜV						
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)	441 x 88 x 359 mm (17.3" x 3.5" x 14.1")						
	Weight	7.5 Kg (16.5 lb)						
Reliability	MTBF	100,000 hours						
Serviceability	MTTR	5 minutes						
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						

* Max. output 280 W for + 5 V and +3.3 V

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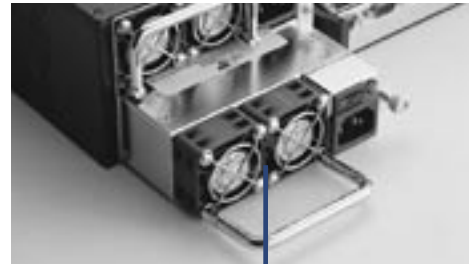
Last Updated: March-03-04

4-slot backplane with H.110 CT bus

Supports IEEE 1101.11 rear I/O transition boards

Hot-swappable fan module

300 W 1+1 redundant ATX power supply

Recommended Configurations

Enclosure	CPU Board		Rear I/O Board	Alarm Module and CMM	Remark
	Master	Slave			
MIC-3056A/4-2R	MIC-3377/M MIC-3389		RIO-3301, RIO-3302, RIO-3302S	--	--
	MIC-3368-A MIC-3368B-A		RIO-3308	MIC-3924A/B	--
	MIC-3368E-A MIC-3368E1-A		RIO-3308C RIO-3308S	MIC-3924A/B	--
		MIC-3366* MIC-3366B*	RIO-3306	--	--
	MIC-3358A MIC-3369A		RIO-3309C	MIC-3924A/B	--
MIC-3056B/4-2R	MIC-3377/M MIC-3389		RIO-3301, RIO-3302, RIO-3302S	--	MIC-3960 (optional)

* Peripheral SBC

Ordering Information

Part Number	System Slot	Media Carrier Board MIC-3960 Slot	Peripheral Slot	Rear Transition	Power Supply
MIC-3056A/4-2R	1	--	3	4	300 W ATX (1+1 redundant, 300 W/each)
MIC-3056B/4-2R	1	1	2	3	300 W ATX (1+1 redundant, 300 W/each)

Parts Information

Part Number	Descriptions
1757930046	300 W ATX redundant power supply
1757930035	Single power supply module for 300 W ATX (P/N: 1757930046)
9682305600	Hot-swappable fan module (3 fans)