MIC-3081B

10U-High CompactPCI® Enclosure with 8-slot 6U Backplane and Redundant Power Supply (CT Bus and Rear I/O)

NEW

Features

- Standard 19" rack-mount 10U-high enclosure
- 8-slot 6U CompactPCI backplane
- Supports rear I/O
- H.110 CT Bus compliance (PICMG® 2.5)
- 560 W 2+1 redundant ATX power supply or 500 W single ATX power supply option
- Six 80-CFM front-accessible hot-swappable fan modules
- Built-in intelligent alarm board MIC-3924L-A. Upgradeable to intelligent chassis management module MIC-3924A or MIC-3924B
- Device bay accommodates up to three devices

CE FCC (UL)

Introduction

The MIC-3081B CompactPCI® is a 10U-high enclosure with eight CompactPCI slots for rack mounting, providing a flexible, configurable development platform. It supports an 8-slot H.110 CT bus backplane and rear I/O designed to speed the implementation of telecom Internet and industrial automation applications.

Optimized for Cooling Airflow with Hot-swap Fans

A 2U space underneath the card slots accommodates six 80-CFM high speed fans to force cooling air into the system. All fans in this chassis are hot-swappable, allowing users to replace fans without interrupting the operation of the system. The fan's tachometer output enables the alarm module to monitor the speed of the fans.

System Fault Detection and Alarm Notification

The MIC-3081B has a built-in intelligent alarm board, the MIC-3924L-A, to monitor the fan speed, chassis temperature and power status. The alarm board is upgradeable to MIC-3924A/MIC-3924B which can monitor and report internal conditions via SNMP trap detection, e-mail, and pager or beeper notification. The system's status, including CPU (SBC) temperature, system power voltage levels, and fan speeds can be easily checked remotely from any web browser for administrative monitoring.

Hot-swap Passive Backplane with H.110 CT Bus

The 6U-sized 8-slot backplane of the MIC-3081B supports 32/64-bit operation, and complies with PICMG 2.1 hot-swap specification. Eight CompactPCI slots are available for one system master board and seven 32-/64-bit CompactPCI peripheral boards.

Specifications

Backplane	6U Slot	8 slots (system slot x 1, peripheral slot x 7)										
	System Slot	Physical #8 slot										
	Bus	32-bit/33 MHz, 64-bit/66 MHz PCI bus										
	VI/O Voltage	3.3 V/5 V (selectable)										
Cooling	Fan	6 (80-CFM front-access hot-swappable fan modules on the chassis bottom; inlet)										
Device Bay		MIC-3081B/8-10A					MIC-3081B/8-10R					
	5.25"	3					2					
	3.5"	1					1					
Power Requirement	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range										
	Output	500 W ATXAC					560 W ATX AC (2+1 redundant, 280 W each with PFC)					
	AC	+3.3 V	+5 V	+12 V	-12 V	+5 Vsb	+3.3 V	+5 V	-5 V	+12 V	-12 V	+5 Vsb
	Max. Load	30 A	40 A	32 A	1 A	2 A	36 A	58 A	0.5 A	20 A	1.5 A	1.5 A
	Min. Load	1 A	2.5 A	1 A	-	0.1 A	0.3 A	2.0 A	-	0.5 A	-	0.1 A
Reliability	MTBF	100,000 hours										
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 Characteristics	Dimensions (WxHxD)	440 x 400 x 338 mm (17.3" x 15.7" x 13.4")										
	Weight	18 kg (39.65 lb)										
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										
	Safety	CE, FCC, UL										

Backplane Information

Physical Number	1	2	3	4	5	6	7	8
Function	I/O slot	I/O slot	I/O slot	I/O slot	I/O slot	I/O slot	I/O slot	System slot

Recommended Configuration

Enclosure	CPU Board	Rear I/O Board	Alarm Board (upgrade to remote CMM)
MIC-3081B/8-10A MIC-3081B/8-10R	MIC-3377/M-A, MIC-3389-A	RIO-3302 series	Default MIC-3924L-A MIC-3924A-B MIC-3924B-B
	MIC-3358A-Mx, MIC-3369A-Mx, MIC-3369C-Mx	RIO-3309C-A, RIO-3309S-Ax	
	MIC-3358L	RIO-3309L	
	MIC-3359	RIO-3309L	

Ordering Information

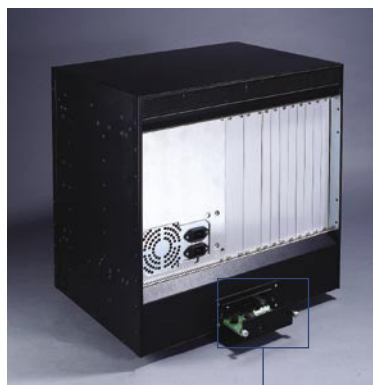| Model Name	Power Supply	Alarm Board
MIC-3081B/8-10A	500 W Single ATX	968A390023 (MIC-3924L-A*)
MIC-3081B/8-10R	560 W ATX (2+1 redundant, 280 W/each)	968A390023 (MIC-3924L-A*)

* The MIC-3924L-A is upgradeable to MIC-3924A or MIC-3924B

Accessories

Part Number	Description
1750000143	80*80mm 80 CFM Fan
1757000031	Single power supply module of RPS 560 W ATX (2+1)
1757000111	500 W AC single power supply
968A390000	MIC-3924A-B intelligent chassis management module
968A390010	MIC-3924B-B intelligent chassis management module with blade server support
968A390020	MIC-3924L-A alarm module

8-slot backplane with H.110 CT Bus

560 W 2+1 ATX redundant power supply

Built-in intelligent alarm board (MIC-3924L-A) to detect fan speed, chassis temperature and power status, or upgradeable to intelligent chassis management module (MIC-3924A/ MIC-3924B)

Six 80-CFM front-access hot-swappable fan modules