

MIC-3081B

10U CompactPCI® Enclosure with 8-slot 6U Backplane and Redundant Power Supply (CT Bus)



Features

- 8-slot 6U CompactPCI® backplane
- PICMG 2.5 (CompactPCI Computer Telephony) compliance
- AC ATX 500 W power supply or AC ATX 560 W + 280 W redundant (2+1) power supplies
- Six 80-CFM front-accessible hot-swappable fan modules
- Built-in alarm module (MIC-3924L-AE)
- Device bay accommodates up to three devices

Introduction

The MIC-3081B CompactPCI is a 10U 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 up 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 fan speed.

System Fault Detection and Alarm Notification

The MIC-3081B has a built-in intelligent alarm module, the MIC-3924L-AE, to monitor the fan speed, chassis temperature and power status. The module is upgradeable to MIC-3924A-BE 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.

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 CompactPCI hot swap specifications. 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)										
	Bus	32-bit/33 MHz, 64-bit/66 MHz PCI bus										
	V (I/O)	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" HDD	3					2					
	3.5" HDD	1					1					
Power Supply	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range										
	Output	AC ATX 500 W*					AC ATX 280 W redundant power module					
	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 G					
Physical Characteristics	Dimensions (W x H x D)	440 x 400 x 338 mm (17.3" x 17.5" x 13.4")										
	Weight	18 kg (39.65 lb)										
Compliance	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											
	RoHS, CE, FCC, UL											

* The maximum combined load on +5 V and +3.3 V output shall not exceed 290 W

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	Chassis Management Module
MIC-3081B/8-10AE MIC-3081B/8-10RE	MIC-3358A-MxE MIC-3369C-MxE	RIO-3309C-AE, RIO-3309S-AxE	Included MIC-3924L-AE Optional MIC-3924A-BE MIC-3927AE
	MIC-3359E MIC-3359-AE MIC-3359-BE	RIO-3309LE	
	MIC-3390E MIC-3390-AE MIC-3392A-MxE MIC-3392B-MxE	RIO-3310AE RIO-3310S-AxE	

Ordering Information

Part Number	Power Supply	Chassis Management Module
MIC-3081B/8-10AE	AC ATX 500 W	968A390023 (MIC-3924L-AE)
MIC-3081B/8-10RE	AC ATX 560 W + 280 W redundant (2+1) power supplies	968A390023 (MIC-3924L-AE)

* The MIC-3924L-AE is upgradeable to MIC-3924A-BE

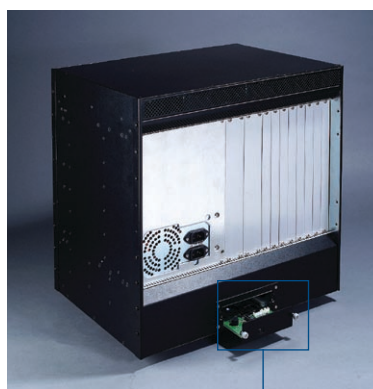
Accessories

Part Number	Description
1750000143	80 x 80 mm 80-CFM fan (included)
1757000210G	AC ATX 280 W redundant power module (MIC-3081B/8-10RE included)
1757000111G	AC ATX 500 W power supply (MIC-3081B/8-10AE included)
968A390000	MIC-3924A-BE intelligent chassis management module
968A390020	MIC-3924L-AE alarm module (included)
968A390030	MIC-3927AE intelligent chassis management module (IPMI)



8-slot backplane
with H.110 CT Bus

AC ATX 560 W + 280 W
redundant (2+1) power supplies



Built-in alarm module
(MIC-3924L-AE)



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