MIC-3002A Series

4U CompactPCI Enclosure with 6-slot 3U Backplane

NEW

CE UL

Features

- 6-slot 3U CompactPCI® backplane
- Compact size, 4U high enclosure for 3U cPCI modules
- Side handle design and optional 6" LCD display for portable applications
- Stand feet on the bottom side for desktop applications
- Hot-swap compliant backplane
- Logic ground and chassis ground can be isolated or common

Introduction

The MIC-3002AD/6 is a compact 4U CompactPCI® chassis designed specially for portable applications. With a side handle design it can be carried conveniently, and it also has an onboard 6" LCD display on the rear panel. The MIC-3002AD/6 is therefore suitable as a rugged all-in-one mobile controller for applications in battle fields, production lines, transportation systems and traffic control systems.

Hot-swap Passive Backplane

The 3U-size, 6-slot backplane of MIC-3002AD/6 supports 32-bit operation. The backplane complies with the PICMG 2.1 Hot-Swap Specification. and you can build easy-to-maintain systems with hot-swappable CompactPCI boards and software.
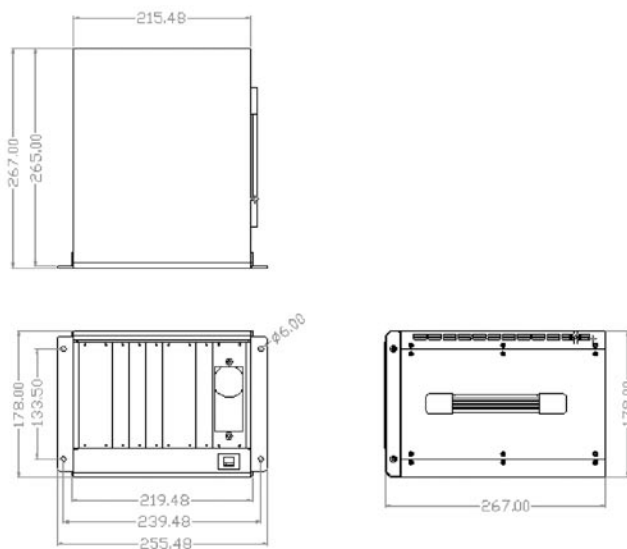
Specifications

System

Backplane	Slots	6 CompactPCI slots (one system slot and 66 peripheral slots)					
	Bus	32-bit/33 MHz					
	I/O Voltage	3.3 V or 5 V, jumper selectable					
Cooling System	Air Flow	Two 46 CFM fans, 12 V_{DC} brush less, dual ball bearing (with removable filter)					
	Life Span	80,048 hours @ 25° C					
Power Supply	Input	100~240 V_{AC} @ 47~63 Hz, full range					
	Output	250 W ATX power supply					
	MTBF	105,405 hours @ 25° C					
		+5 V	-5 V	+12 V	-12 V	+3.3 V	+5 Vsb
	Max. Load	24	0.5	12	0.5	20	1.5
	Min. Load	3	0	2	0	1	0.1

Environment		Operating	Storing
	Temperature	0 ~ 60°C (32~140°F) or 0~50° C (32~122° F) for LCD model	-40 ~ 80° C (-40~112° F) or 0 ~ 70° C (32 ~ 158° F) for LCD model
	Humidity	95% @ 60° C (140° F), non-condensing	
	Vibration	0.5 Grms	2.0 Grms
	Shock	20 G peak-to-peak, 11ms duration	

Physical	Model	MIC-3002 MIC-3002AD	MIC-3002AR
	Dimensions (WxHxD) (not inc.mnt flanges)	220 x 190 x 245 mm (8.7" x 7.5" x 9.7")	220 x 190 x 279 mm (8.7" x 7.5" x 11")
	Weight	5.6 kg (12.32 lb) for MIC-3002A 6.6 kg (14.52lb) for MIC-3002AD	6.2 kg (14.3lb) for MIC-3002AR
	U Height (Slots)	3 U	
	Mounting Options	wall, panel on front or rear side, desktop feet included	
	Enclosure Materials	Aluminum frame and galvanized sheet steel	
Reliability	MTBF	87,191 hours @ 25° C	
Compliance		PICMG 2.0, Ver. 3.0 CompactPCI PICMG 2.1, Ver. 2.0 Hot Swap	
LCD Option	Screen Size	6"	
	Dimensions	3U height x 10-slot (40 HP) width	
	Resolution	640 x 480 x 18-bit colors (262,144 colors)	
	Pixel Pitch	0.1905 x 0.1905 mm	
	Brightness	400 cd/m2	

Ordering Information

- **MIC-3002A/6**   4U CompactPCI® chassis with 6-slot backplane
- **MIC-3002AD/6**   4U CompactPCI® chassis with 6-slot backplane and 6" LCD
- **MIC-3002AR/6**   4U CompactPCI chassis with 6-slot backplane and Rear I/O support
- **9663300200**   description: 2.5" HDD support kit for anti-vibration for MIC-3002A/6 and MIC-3002AD/6

Dimensions

Front View of MIC-3002A series

Slot CPU Module Power Supply

Stand Feet Power On/Off Switch

Rear View of MIC-3002AD/6