MIC-3001

4U CompactPCI Enclosure with 8 slot 3U Backplane



Features

- 8-slot 3U CompactPCI®
- Easy installation: rackmount or panelmount
- Hot swap compliant backplane
- Hot swap fan tray module
- Optional fault detection and alarm notification
- Logic Ground and Chassis Ground can be isolated or common

Introduction

The MIC-3001/8 is a 4U-size enclosure with eight 3U CompactPCI slots for rack or panel mounting. Its flexible modular design allows users to configure for a variety of applications. Reserved space in Device Bay can be used to install peripherals such as 3.5" HDD, or a CD-ROM drive.

The 3U size 8-slot backplane of the MIC-3001 series 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.

A 1U-high fan module provides forced cooling air into the system. Two 113-CFM high-speed fans are mounted in a hot-swap tray directly underneath the card slots. The fan's tachometer output enables the alarm module to monitor the speed of the fans, and a protective circuit has been designed into the fan backplane to reduce spikes and noise during hot-swapping. This design allows replacement of fans without turning the system off.

Specifications

Backplane

- **Slots** 8
- **Bus** 32-bit/33 MHz
- **Vio Voltage** 3.3 V/5 V (short-bar selectable)

Device Bay

- **HDD or CD-ROM** Yes

Cooling

- **Fan** 2 (2 x 113 CFM)

Power

- **Input** 90 ~ 132 V_{AC}/180 ~ 264 V_{AC} @ 47 ~ 63 Hz.
- **Output** 400 W
- **Loading (A)**

Model	Load	+3.3 V	+5 V	-5 V	+12 V	-12 V	+5 Vsb
MIC-3001	Max.	20	42	1	14	1	0.75
	Min.	0.2	2.5	0	0.5	0	0

Environment

- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storing Temperature** -40 ~ 80° C (-40 ~ 176° F)
- **Storing Humidity** 10 ~ 90% @ 40° C, non-condensing

Physical

Model	MIC-3001/8	MIC-3001AR/8
Dimensions (W x H x D)	440 x 178 x 240 mm	440 x 178 x 283 mm
Weight	7 Kg (15.4lb)	10 kg (22 lb)

- **Operating Vibration** 1.0 Grms w/CF disk
  0.5 Grms w/3.5" HDD
- **Shock** 10 G peak-to peak, 11ms duration

Reliability

- **MTBF (hours)** 71174 hours

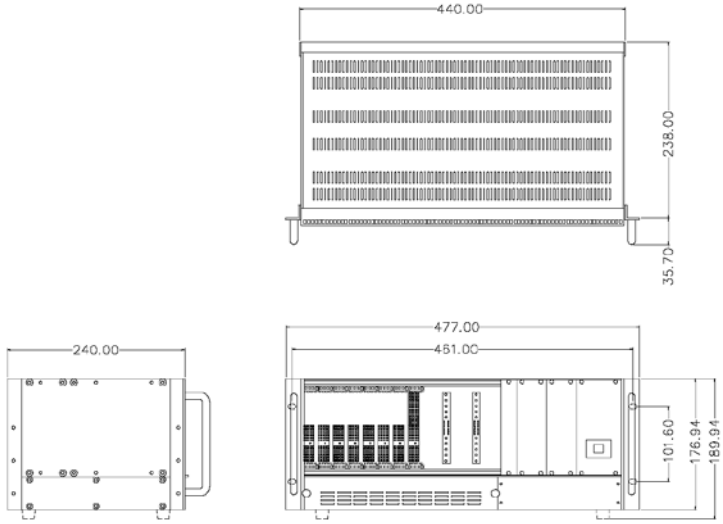
Compliance

- **PICMG Compliance** PICMG 2.0, R 2.1CompactPCI Specification
  PICMG 2.1, R 1.0 Hot Swap Specification

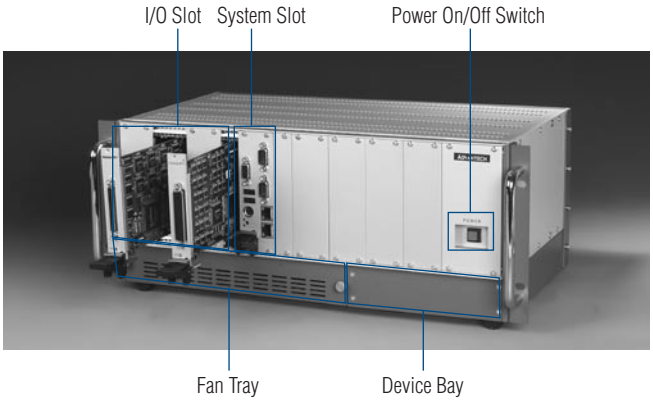
Ordering Information

- **MIC-3001/8** 4U CompactPCI chassis with 8-slot backplane, fan tray module, and AC ATX power supply
- **MIC-3001AR/8** 4U CompactPCI chassis with 8-slot backplane, fan tray module, rear I/O and AC ATX power supply
- **9663300100** 3.5" FDD/HDD bracket accessory for MIC-3000 chassis
- **9663300101** 3U-4TE Blank Cover accessory for MIC-3000 chassis

Dimensions



Front View of MIC-3001/8 and MIC-3001AR/8



Rear View of MIC-3001AR/8

