

MIC-3002AD/6

3U 6-slot CompactPCI Enclosure

NEW



Features

- 6-slot 3U CompactPCI backplane
- Compact size, 4U high enclosure for 3U cPCI modules
- Side handle design and optional 6.4" 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 3U CompactPCI chassis designed specially for portable applications. With a side handle design it can be carried conveniently, and it also has an onboard 6.4" 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 the 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

Backplane

- **3U Slots** 3 slots for system module
5 slots for peripheral cards
- **No rear I/O support**
- **Bus** 32-bit / 33MHz
- **I/O Voltage** 3.3V / 5V (jumper selectable)

Cooling

- **Two 46 CFM fans, 12 V_{DC} brush-less, dual ball bearing**
- **Bottom-access removable filter for easy maintenance**

6.4" LCD option

- **Dimensions** 3U height x 10-slot (40HP) width
- **Screen Size** 6.4 inches (diagonal)
- **Resolution** 640 x 480 x 18-bit colors (262,144 colors)
- **Pixel pitch** 0.203 x 0.203 mm
- **Brightness** High Brightness 300 cd/m²
- **Lamp life time** 15,000 hours @ 25° C (77° F)
- **Integrated with back light inverter**

Mounting

- **Wall/Panel mounting on the front side or rear side**
- **Side (Upper) handle design for portable applications**
- **Stand feet on the bottom side for desktop applications**

Physical

- **Dimensions (W x H x D)** 220 x 190 x 245 mm (8.7" x 7.5" x 9.7")

Power Supply

- **Safety approvals** CE, UL, cUL, TUV
- **Input** 100~240 V_{AC} @ 47~63Hz, full range
- **Output** 250 (or 300) W ATX power supply
- **Output Characteristics**

	+3.3V	+5V	-5V	+12V	-12V	+5VSB
Max. Load	20	24	0.5	12	0.5	1.5
Min. Load	1.0	3.0	0	2.0	0	0.1

Environment

- **Operating Temperature** 0 ~ 60° C (32~140° F)
0 ~ 50° C (32 ~ 122° F) for LCD model
- **Storage Temperature** -40 ~ 80° C (-40~112° F)
0 ~ 70° C (32 ~ 158° F) for LCD model
- **Humidity** 95% @ 60° C (140° F), non-condensing
- **Operating Vibration (5-500Hz, each axis)** 1.0 Grms w/ CF disk
0.5 Grms w/ 2.5" HDD
- **Storage Vibration** 2.0 Grms
- **Shock** 20 G peak-to-peak, 11ms duration

Compliance

- **PICMG 2.0, R3.0 CompactPCI Specification**
- **PICMG 2.1, R2.0 Hot-Swap Specification**

Ordering Information

- **MIC-3002AD/6** 3U CompactPCI chassis with 6-slot backplane and 6.4" LCD
- **MIC-3002A/6** 3U CompactPCI chassis with 6-slot backplane

1
IPPC & AWS

2
TPC

3
FPM

4
ATM

5
DA&C

6
cPCI

7
ADAM-3000

8
eConnectivity

9
ICOM

10
Software

11
UNO-2000/3000

12
VBOX

13
ADAM-4000

14
ADAM-5000

15
ADAM-6000

16
ADAM-8000