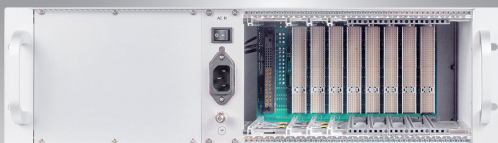# MIC-3023A

## 3U/4U Height CompactPCI® Enclosure for 3U Cards



## Features

- CPCI Legacy backplane options
- Built-in efficient cooling system in chassis
- 21 slots or 11 slots dimension enclosure
- PICMG 2.0, PICMG2.11

## Introduction

The MIC-3023A is a standard enclosure available in 3U or 4U sizes for CompactPCI® applications. The surface treament of the chassis is powder silver, it comes in two widths, either 84HP or 44HP, and includes an 8-slot CPCI backplane. The backplane also features an integrated 2-slot power adapter board, which supports both AC and DC power inputs. To enhance heat dissi-pation, the enclosure is equipped with an efficient cooling system.

The CPCI backplane is designed with a left-aligned system slot and 7 peripheral slots. The remaining space on the left side can be utilized by customers for their own backplane or other installations.

## Specifications

| Backplane | | CPCI backplane 8-Slot, Systemx1, Peripheralx7 ,no RIO support<br>Power Slot: 2-Slot for AC/DC CPCI Power module +12V, +5V , +3.3V<br>32bit/33MHz PCI Bus | |
|---|---|---|---|
| Cooling | | Option1: 3U 84HP chassis default fan setting:8 fans for system/power slots<br>Single fan airflow 9.9 CFM, rated speed: 8500 RPM at rated voltage 12V DC<br>Option2: 4U 44HP chassis Built-in fixed fan tray: default fan setting 4pcs,single Fan airflow: 46.62 CFM, rated speed: 4000 RPM,Noise:40dB at rated voltage 12V DC | |
| Environment | | Operating | Non-Operating |
| | Temperature | -40 ~ 70° C (-104 ~ 158° F) | -40 ~ 70° C (-104 ~ 158° F) |
| | Humidity | 95% @ 40°C, non-condensing | 95% @ 60°C, non-condensing |
| | Shock | 10 G, 11ms, each axis three times | |
| | Vibration | 2G rms | |
| Physical Characteristics | | MIC-3023A 84HP 3U Chassis | MIC-3023A 44HP 4U Chassis |
| Dimensions (W x D x H) | | 482.6 x 250 x 132.55mm | 279.40 x 265 x 177 mm |
| Compliance | | PICMG 2.0, PICMG2.11 | |

# Ordering Information

| PN | Description | Chassis Slot QTY | Backplane slot | Power Slot | Backplane QTY | Fan | RIO | Dimension (W x D x H) |
|---|---|---|---|---|---|---|---|---|
| MIC-3023A-L1S1 | 3U CPCI 84HP fan non RIO chassis with 8 slot BP | 21 | 8 | 2 | 1 | ✓ | x | 482.6 x 250 x 132.55 mm |
| MIC-3023A-L1S2 | 4U CPCI 44HP fan non RIO chassis with 8 slot BP | 11 | 8 | 2 | 1 | ✓ | x | 279.40 x 265 x 177 mm |

# Related Main Board and Front I/O Board

| Models | Description |
|---|---|
| MIC-3329 | 3U CompactPCI Atom Bay Trail Processor Blades |
| MIC-3332 | 3U CompactPCI 6rd generation Skylake Intel® Core™ i7/Xeon E3 Processor Blades |
| MIC-3955 | 3U CompactPCI RS485/422/232 Serial card |
| MIC-3958 | 3U CompactPCI GbE Ethernet Card |
| MIC-3956 | 3U CompactPCI 110V 150W or 250W DC power |
| 96PS-A250WCPC | 3U CompactPCI 250W AC power |

## Dimensions

Unit: mm

**MIC-3023A-L1S1**
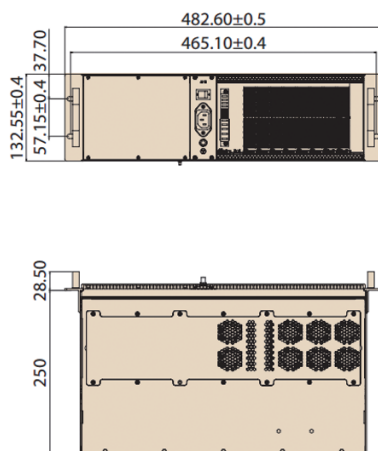
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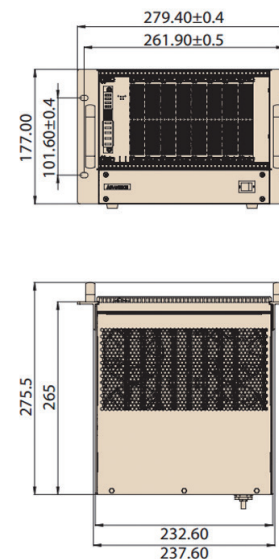


# Front View



MIC-3023A-L1S1

MIC-3023A-L1S2