

MIC-3023A1

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-3023A1 is a standard enclosure available in 3U or 4U sizes for CompactPCI® applications. The surface treatment 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 dissipation, 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 Power Slot: 2-Slot for AC/DC CPCI Power module +12V, +5V, +3.3V 32bit/33MHz PCI Bus	
Cooling	Option1: 3U 84HP chassis default fan setting:8 fans for system/power slots Single fan airflow 9.9 CFM, rated speed: 8500 RPM at rated voltage 12V DC 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-3023A1 84HP 3U Chassis	MIC-3023A1 44HP 4U Chassis
Dimensions (W x D x H)	482.6 x 250 x 132.55mm	279.40 x 250 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-3023A1-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-3023A1-L1S2	4U CPCI 44HP fan non RIO chassis with 8 slot BP	11	8	2	1	✓	x	279.40 x 250 x 177 mm

Note:
 Chassis without blank panel default, if required, need to order separately
 3U 4HP blank panel: 1960117152S001
 3U 8HP blank panel: 1960117153S001

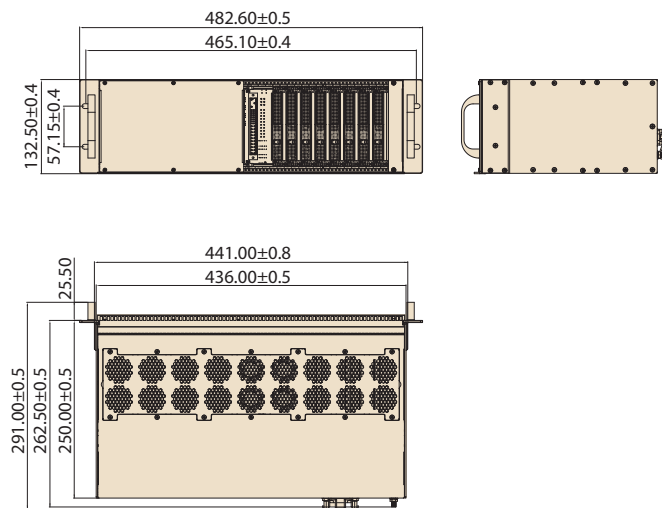
Related Main Board and Front I/O Board

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

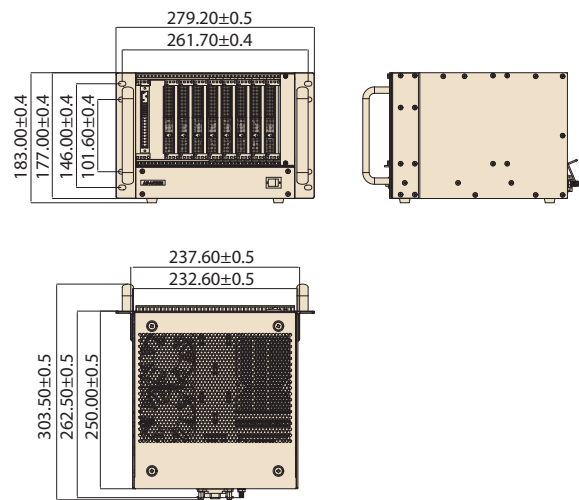
Dimensions

Unit: mm

MIC-3023A1-L1S1



MIC-3023A1-L1S2



Front View



MIC-3023A1-L1S1



MIC-3023A1-L1S2