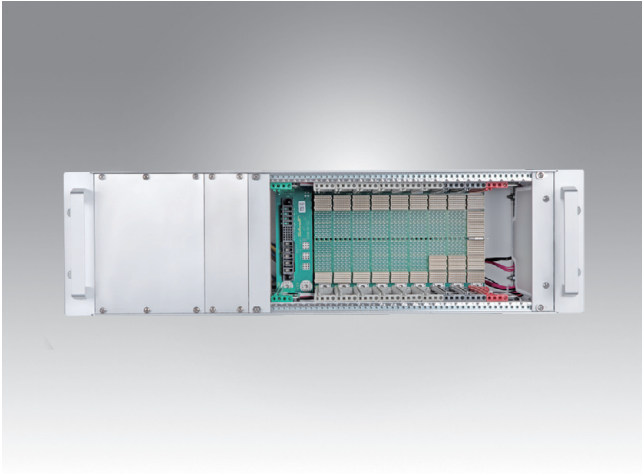


# MIC-300

## 3U Height CompactPCI® Serial Enclosure for 3U Cards



### Features

- 3U height 84HP/44HP enclosure options with 9-slot or 7-slot CPCI-Serial backplane
- Built-in efficient cooling system on the top and bottom cover
- PCIe(Gen3),SATA(Gen3),USB2.0/USB3.0,Ethernet(10GBase-T) interfaces support
- PICMG CompactPCI Serial (CPCI-S.0 R2.0) compliant

### Introduction

MIC-300 is a standard 3U CompactPCI® Serial 84HP or 44HP width enclosure, equipped with 11-slot or 9-slot backplane including 2-slot power adaptor board to support either AC or DC power inputs. Up to 12 removable low noise mini-fans can be assembled on the top and bottom side of 3U height chassis to offer forced airflow to improve system heat dissipation. The CompactPCI® Serial system slot is right aligned, a maximum of 9 slots is possible (one system slot and up to 8 peripheral slots). The free space on the left side can be used by the customer for their own backplane or other installations. CompactPCI Serial backplane supports the protocols as PCIe up to Gen3, S-ATA Gen3, USB 2.0, USB 3.0 and Ethernet up to 10G Base-T, current backplanes with Ethernet routed as single star from the system slot to all peripheral slots.

### Specifications

Backplane	CPCI-Serial backplane option1: 9-Slot, Systemx1, Peripheralx8, no RIO support CPCI-Serial backplane option2: 7-Slot Systemx1, Peripheralx6, no RIO support Power Slot: 2-Slot for AC/DC CPCI-Serial Power module, 12V Main, 5V standby		
Cooling	Low-Noise Fan (Default FAN setting:12 fans for system/power/fat pipe slots) Single Fan airflow: 9.9 CFM, rated speed: 8500 RPM ± 15% at rated voltage 12V DC		
Environment		Operating	Non-Operating
	Temperature	0 ~ 70 °C (32 ~ 158 °F)	-40 ~ 85 °C (-40 ~ 185 °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-300 11-Slot Chassis	MIC-300 21-Slot Chassis
	Dimensions (W x H x D)	279.40 x 254.50 x 132.55 mm	482.60 x 251.50 x 132.55 mm
Compliance	PICMG_CPCI-S_0_R2.0		

## Ordering Information

PN	Description	Chassis Slot QTY	Backplane slot	Power Slot	Backplane QTY	Fan	RIO	Dimension (W x D x H)
MIC-300-S1S1	MIC-300 3U CPCI-S Chassis with 9 Slot BP	21	9	2	1	√	x	482.60 x 251.50 x 132.55 mm
MIC-300-S1S2	MIC-300 3U CPCI-S Chassis with 7 Slot BP	11	7	2	1	√	x	279.40 x 254.50 x 132.55 mm

Note: The below 8HP or 4HP blank panel can be selected according to customer demand  
 8HP blank panel: Y5A1707004  
 4HP blank panel: Y5A1707003

## Main Board and Front I/O Board Description

Models	Description
MIC-330	3U CPCI-serial CPU board
MIC-3810	3U CPCI-serial PCIe Carrier board
MIC-3820	3U CPCI-serial SATA Carrier board
MIC-3811	3U CPCI-serial Dual Mini-PCIe Carrier board
MIC-3954D	3U CPCI-serial Quad 3042 B/M Key M.2 Carrier for LTE
MIC-3954E	3U CPCI-serial Quad MiniPCIe Carrier for Wifi/GPS/BT
MIC-3890	3U CPCI-serial 110V input/250W DC Power
XMIC330-HAC300S	A/D 100-240V 312.5W 12V/5V COMPACT PCI

## Backplane Topology

### Option 1: 21-Slot Chassis

Physical Slot NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21				
Left	➔																				Right				
Cooling									Fan				Fan				Fan								
Function Block	free space								power slot		peripheral slot						fat pipe slot		fat pipe slot		system slot		space reserved for CPU board I/O extension		cable routing space

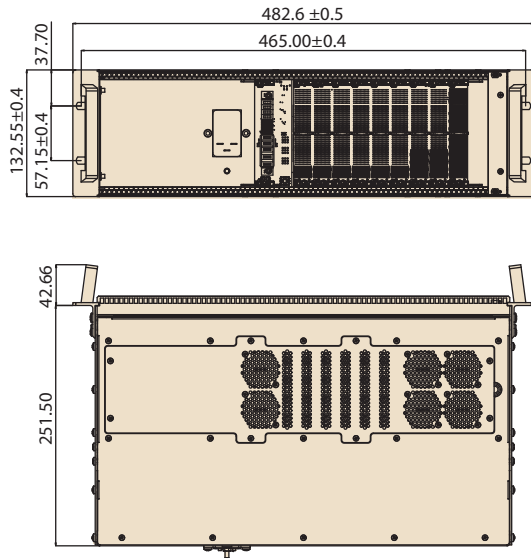
### Option2: 11-Slot Chassis

Physical Slot NO.	1	2	3	4	5	6	7	8	9	10	11						
Left	➔										Right						
Cooling	Fan								Fan			Fan					
Function Block	power slot		peripheral slot						fat pipe slot		fat pipe slot		system slot		space reserved for CPU board I/O extension		cable routing space

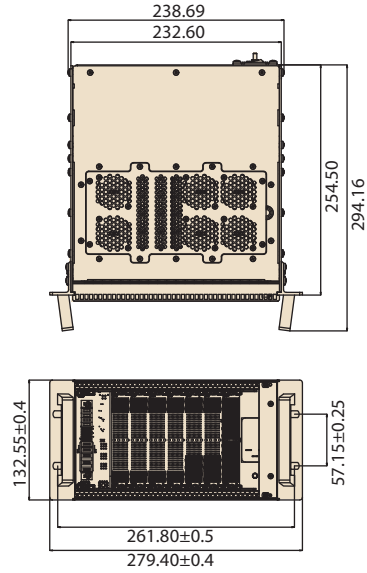
**Dimensions**

Unit: mm

**MIC-300-S1S1**



**MIC-300-S1S2**



**Front View**



MIC-300-S1S1



MIC-300-S1S2