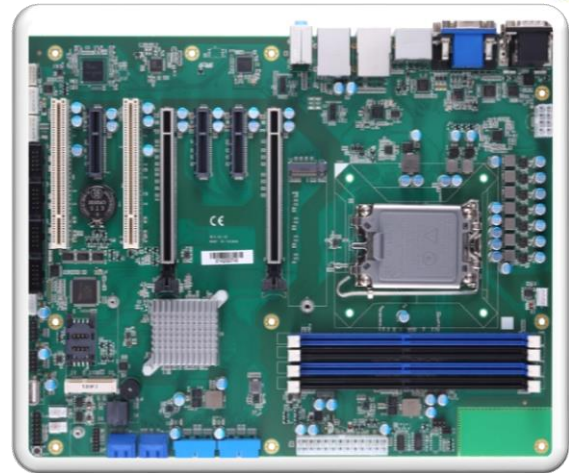




**Industrial ATX Industrial
Motherboard with LGA1700
Socket 12/13th Gen Intel® Core™
Processors, Intel® R680E, DDR4,
USB 3.2, SATA RAID, Dual LANs,
VGA/DVI/DisplayPort/HDMI**



Features

- Supports Intel 12/13th Gen. Core CPU
- Dual Gigabit Ethernet supported
- (4) SATA-600 with RAID 0, 1, 5, 10
- Supports M.2 Key M 2280
- HDMI/DVI/Display Port/VGA multiple outputs

CPU

- Socket LGA1700 supports 12/13th Gen. Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processors (up to 125W)

Chipset

- Intel® R680E

System Memory

- (4) 288-pin Long-DIMM dual channel DDR4-3200, max. up to 128 GB
- Supports ECC/Non-ECC un-buffered

Display Interface

- Intel® HD Graphics
- (1) HDMI, (1) VGA, (1) DVI-D and (1) DisplayPort

Storage

- (4) SATA-600 with RAID 0, 1, 5, 10
- (1) M.2 M Key 2280 supports PCIe x4 via CPU

Ethernet

- (2) Gigabit LAN with Intel® i255-LM and i211-AT
- supports Wake-on-LAN, PXE Boot ROM

Audio

- Built-in HD Audio Codec with Realtek ALC888

I/O Interface

- (4) RS232 & (2) RS232/422/485 serial ports
- (4) USB 3.2 Gen.2x1
- (2) USB 3.2 Gen.1x1
- (5) USB 2.0 ports (pin header, 180D type A)
- (1) 8-bit digital I/O interface
- (1) PS/2 keyboard (internal box header)
- Optional TPM 2.0 module

Onboard Expansion

- (2) PCIe Gen4 x16 slot ((1) x16 or (2) x8)
- (2) PCIe x4 slot open ended ((1) Gen3 & (2) Gen4)
- (1) PCIe Mini Card slot
- (2) 32-bit PCI slot, default clock is 33 Mhz

Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

Dimension

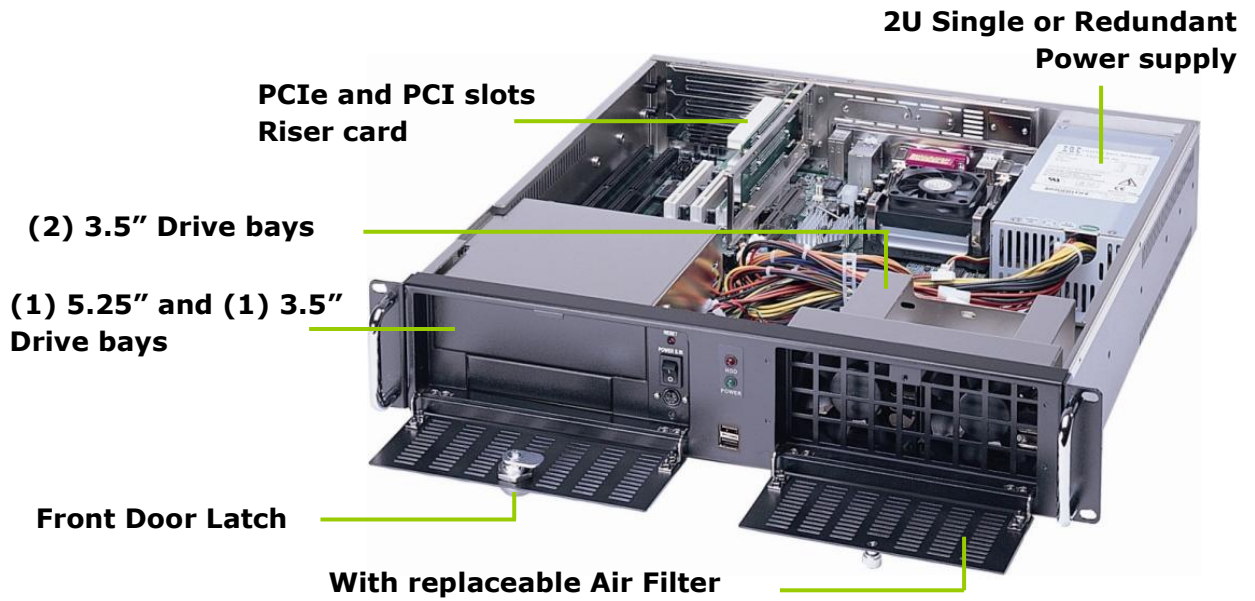
- 305mm x 244mm

Ordering Information

MBC-6524A2GHP-R680 LGA1700 Socket 12/13th Gen. Intel® Core™ processors, Intel® R680E chipset



2U Rackmount Server Chassis for ATX M/B with 4 Drive bays, PCIe and PCI Riser card, supports 2U 500W Single or 2U 380W Redundant PSU



Introduction

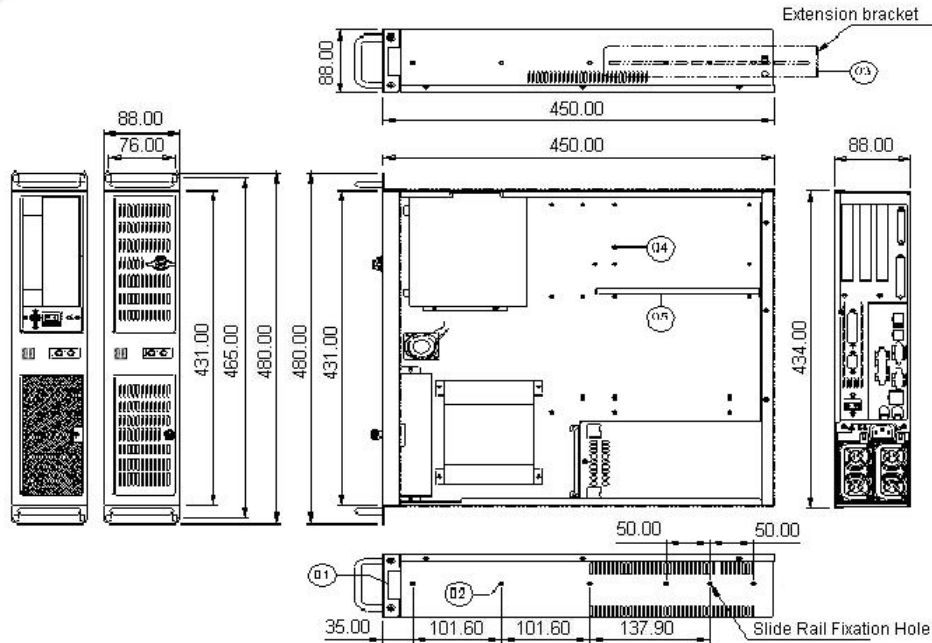
The **RCK-204M2** is a 2U Rackmount chassis that boasts a depth of only 450mm (17"), thus providing an ideal solution for those applications where the chassis depth can make or break a project. Equipped to handle ATX motherboards or Dual CPU server boards, the **RCK-204M2** proves to be a perfect choice for all ISP or Telecom applications. Exceeding the drive capacity of most 2U chassis, the **RCK-204M2** can support up to four Drive bays – (1) 5.25" & (1) 3.5" ext. Drive bays, and (2) int. 3.5" Drive bays. A PCI riser card can be used with up to (3) PCI slots for additional peripherals. Two 8cm ball-bearing fans ensure excellent airflow when faced with a heat sensitive application. The **RCK-204M2** provides a robust solution to any server application, while still remaining compact.

Features

- EIA RS-310C 19" Rackmount Standard
- Heavy-duty Steel with Ni plating
- Supports ATX Motherboard
- Lockable Front Door for Maximum Access Security and Replaceable Air Filter
- (1) PS/2 connector on front panel
- (2) USB ports on front panel
- (2) 8cm Ball-bearing Fans
- Up to 2U 400W Single or 2U 380W Redundant Power supply
- Optional 18-inch Slide rail



Mechanical Drawing



Construction

- Heavy-duty steel with Ni plating

Color

- Black

Board support

- ATX motherboard

Drive bays

- (1) 5.25" & (1) 3.5" ext. Drive bays, and
- (2) 3.5" internal Drive bays

Expansion

- PCI-303: (3) 32-bit PCI slots
- PCIE-303A: (1) 32-bit PCI, (1) PCIe x16 and (1) PCIe x1 slots
- PCIE-303: (2) 32-bit PCI and (1) PCIe x16 slots

Power Supply

- Up to 500W 2U Single, or
- Up to 380W 2U redundant PSU

Cooling System

- (2) 80mm ball-bearing fans with replaceable air filter

I/O Port

- (1) PS/2 connector
- (2) USB 2.0 port

Switch

- Power On/Off and Reset switch

Indicator

- Power On/Off and HDD activity LEDs

Operating temperature

- 0~55°C

Gross Weight

- 9.4kg / 20.72lbs

Dimension (W x D x H)

- 434 x 450 x 88mm
- 17.1 x 17.7 x 3.47 inches

Ordering Information

RCK-204M2-PCI303-BLK	2U chassis for ATX motherboard with 3-slot PCI riser card
RCK-204M2-PCIE303A-BLK	2U chassis for ATX motherboard with PCI and PCIe slots riser card
RCK-RCK-204M2-PCIE303-BLK	2U chassis for ATX motherboard w/ (2) PCI and (1) PCIe slots riser card
RCK-204M2-PCI303-400W-BLK	2U chassis for ATX motherboard w/ PCI303 riser card and 400W PSU
RCK-204M2-PCI303-380WR-BLK	2U chassis for ATX motherboard w/ PCI303 riser card and 380W redundant PSU