RCK-203BE

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

2U Rackmount Chassis with (3) Drive bays, supports PIGMG 1.3 backplane and PS2 ATX Power supply

PCIe slots Riser card

ATX Power Supply

5.25" Drive bay

Lockable front doors

(2) 8cm ball-bearing fans

Replaceable air filter
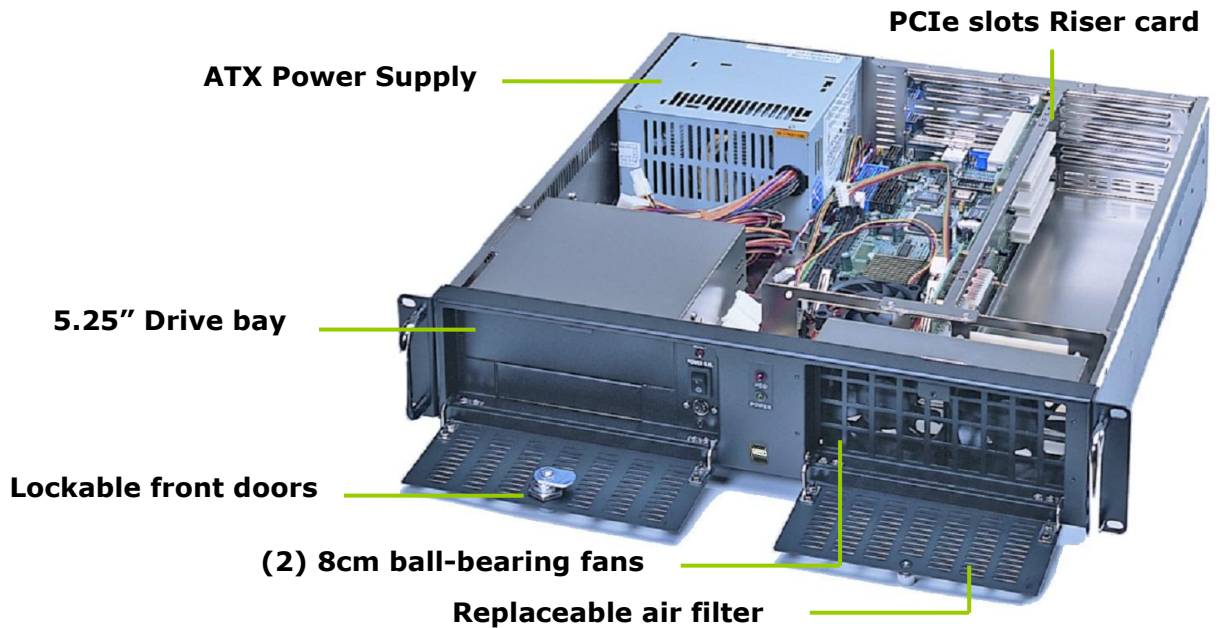
Introduction

The **RCK-203BE** is the first and only 2U chassis that supports System Host Board (SHB) through 2U PICMG 1.3 butterfly backplane **BPE-0502P-2U** and **BPE-0605E-2U** to configure additional expansions. The chassis boasts a depth of only 450mm (17"), thus providing an ideal solution for those applications where depth can make or break a project. The **RCK-203BE** supports (1) 5.25" optical, (1) 3.5" FDD, and (1) internal 3.5" drive bays. Two 8cm ball-bearing fans ensure excellent airflow when faced with a heat sensitive application. The **RCK-203BE** provides a robust solution to any server application using System Host Board (SHB) while still remaining compact.

Features

- EIA RS-310C 19" Rackmount Standard
- Heavy-duty steel with Ni plating
- (1) 5.25" and (1) 3.5" drive bays, and (1) internal 3.5" drive bay
- Supports PICMG 1.3 butterfly backplane:
  - BPE-0502P-2U with (1) SHB Express, (1) PCIe x16, (1) PCIe x4 and (2) PCI 32 bit 5V slots
  - BPE-0605E-2U with (1) SHB Express, (1) PCIe x16, (4) PCIe x1 slots
- Lockable Front Door with replaceable Air Filter
- (2) 8cm High-speed ball bearing fans
- Supports PS2 ATX Power Supply
- Optional 18-inch ball-bearing slide rail

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Mechanical Drawing
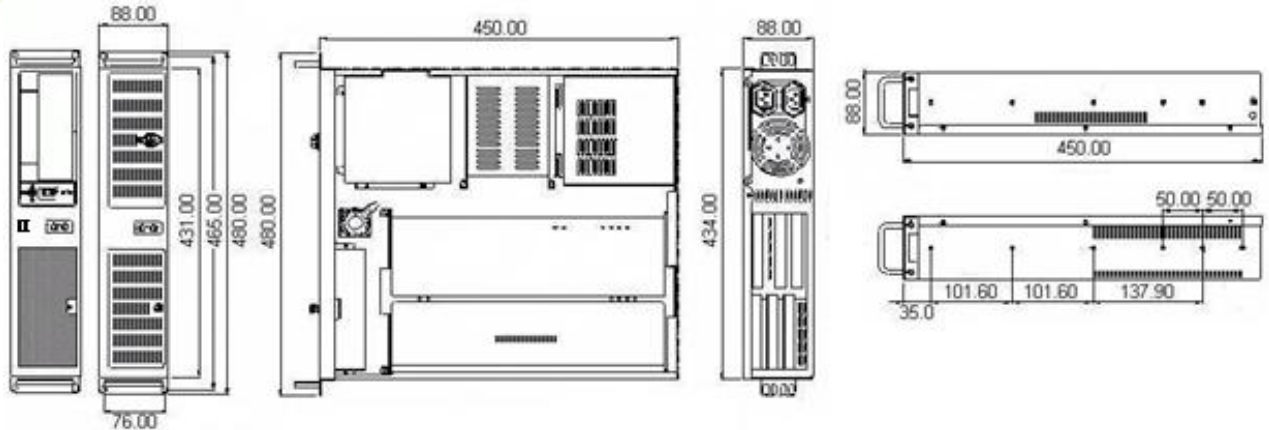
Construction
- **Heavy-duty steel with Ni plating**

Color
- **Black / Beige (RAL7035)**

Board support
- **Full-size Single Host Board (SHB)**

Drive bays
- **(1) 5.25" and (1) 3.5" ext. drive bays**
- **(1) 3.5" internal drive bay**

Expansion
- **2U PICMG 1.3 backplane w/(1) SHB, (1) PCIe x16, (1) PCIe x4 and (2) PCI slots**
- **2U PICMG 1.3 backplane w/(1) SHB, (1) PCIe x16 and (4) PCIe x1 slots**

Power Supply
- **Up to 600W PS2 ATX power supply**

Cooling System
- **(2) 8cm ball-bearing fans and replaceable air filter**

I/O Port
- **(2) Front panel USB ports**
- **(1) Front panel PS/2 port for KB/Mouse**

Switch
- **On/Off switch and Reset switch**

Indicator
- **Power On/Off LED and HDD LED**

Operating Temperature
- **0~55ºC**

Net Weight / Gross Weight
- **NW: 7kg / 15.5lbs**
- **GW: 10.2kg / 22.5lbs**

Dimension (W x D x H)
- **434 x 450 x 88mm**
- **17 x 17.7 x 3.5inches**

Ordering Information

RCK-203BE-USB	2U Rackmount chassis for Full-size SBC, supports PICMG 1.3 backplane
RCK-203BE-USB-0502P	RCK-203BE-USB chassis w/ PICMG 1.3 BPE-0502P-2U backplane
RCK-203BE-USB-0502P-400W	RCK-203BE-USB chassis with BPE-0502P-2U backplane and 400W PSU
RCK-203BE-USB-0502P-600W	RCK-203BE-USB chassis with BPE-0502P-2U backplane and 600W PSU
RCK-203BE-USB-0605E	RCK-203BE-USB chassis w/ PICMG 1.3 BPE-0605E-2U backplane
RCK-203BE-USB-0605E-400W	RCK-203BE-USB chassis with BPE-0605E-2U backplane and 400W PSU
RCK-203BE-USB-0605E-600W	RCK-203BE-USB chassis with BPE-0605E-2U backplane and 600W PSU
BPE-0502P-2U	5-slot 2U PICMG 1.3 backplane, w/ 1x SHB Express, 1x PCIe x16, 1x PCIe x4, 2x PCI 32bit 5V slots, 2x SATA, 2x USB, ATX 24P connector
BPE-0605E-2U	6-slot 2U PICMG 1.3 backplane, w/ 1x SHB Express, 1x PCIe x16, 4x PCIe x1 slots, 2x SATA, 2x USB, ATX 24P connector.
MT-SR120	Optional 18-inch ball-bearing slide rail for 460~650mm rack cabinet, with ear bracket