

PBOX 440P

4U 14 Slots Full-sized PICMG 1.3 Rackmount Chassis



Main Features

- 19" Rackmount Industrial Chassis
- Supports 45nm/65nm Intel® Core™ 2 Quad & Core™ 2 Duo Processors with Greater Performance and Energy Efficiency
- Supports Three 5.25" and One 3.5 Disk Drives
- Front-accessible USB and PS/2 Ports
- Supports the following 14-slot Backplane:
NBP14570BX: 7 PCI, 1 PCIe x16 and 4 PCIe x1
NBP14210: 10 PCI, 1 PCIe x16 and 1 PCIe x4

Product Overview

The PBOX 440P features a 4U 19" Rackmount Industrial Computer chassis supporting two PICMG1.3 SHB-Express computers and various backplanes. When configured with PEAK 872VL2 SHB-Express computer, the PBOX system supports 45nm/65nm Intel® Core™ 2 Quad or Core™ 2 Duo processors with scaleable I/Os on compatible backplanes. The NBP 14210, and NBP 14570 features one PCIe x16 card expansion, up to four PCIe x1 and ten PCI card expansion capability to customize your configuration.

Specifications

Main Board

- SHB Express: PEAK 872VL2
PICMG 1.3 Full-Size, Intel® Q45 Chipset, LGA775 Core™ 2 Quad, Core™ 2 Duo support
Max. 4GB DDR3 800/1066/1333 SDRAM, with VGA, Dual GbE LAN, PS2 output
- SHB Express: PEAK 870VL2
PICMG 1.3 Full-Size, Intel® 945G Chipset, LGA775 Core™ 2 Duo support
Max. 4GB DDR2 400 DIMM, with VGA, dual GbE, PS2 output

Backplane Option

- NBP 14570-BX
7 PCI slots
4 PCIe x1/1 PCIe x16
- NBP 14210
10 PCI slots
1 PCIe x4 slots
1 PCIe x16 slot

Physical Construction

- Form Factor: 4U 19" rackmount industrial computing chassis
- Construction: Heavy-Duty Cold Rolled Electroplated Steel
- Color: Black

- Dimensions (W x H x D): 483mm x 177mm x 451mm (19" x 7" x 17.8")
- Mounting: 2 x Rack Mount Ear
- Cooling System: 2 x 92 mm Ball Bearing Fan
- Weight: 17Kgs (GW)

Indicator

- Front panel Indicator: 1 x HDD status LED; 1 x Power LED

I/O Interface

- Front panel external I/O:
1 x power on-off switch
1 x power reset switch
2 x USB port
1 x Keyboard Port

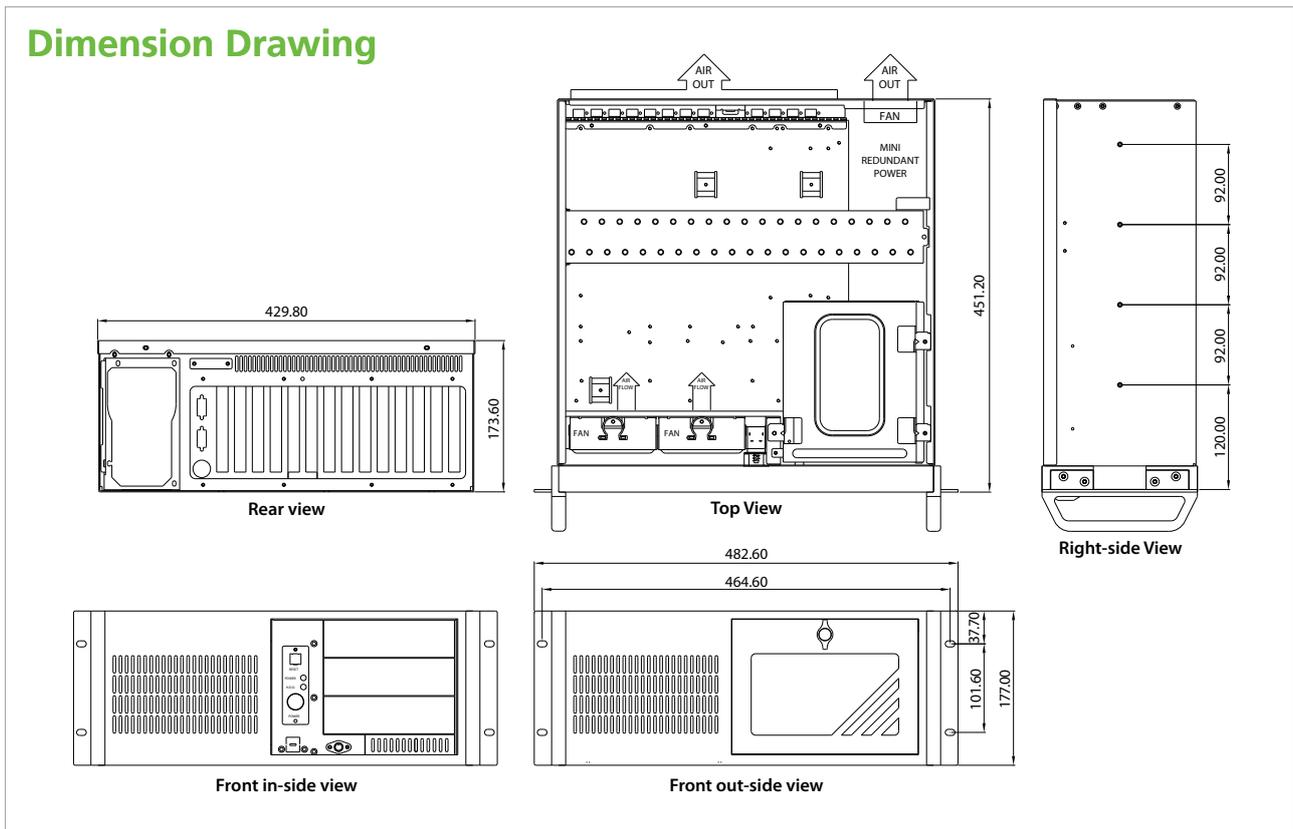
Storage Support

- 1 x 3.5" Drive Bay
- 3 x 5.25" Drive Bay

Power Supply

- Power type: ATX mode
- Input Voltage: 100-240 VAC
- Max. Output Power: 400W (for PEAK870VL2)
- Power Supply Certifications:
CE/FCC Class B/UL 60950/TUV EN60950

Dimension Drawing



Environment

- Operating temperature: 0°C to 40°C (32°F to 104°F)
- Operating Humidity: 10% to 90% (Non-condensing)
- Storage Temperature: -20°C to 60°C (-4°F to 140°F)
- Non-Operating Humidity: 10% to 95% @ 40 °C non-condensing

Certifications

- CE approval
- FCC Class A

Ordering Information

• PBOX 440P-14570-870 (P/N: 79R00440P01X0) RoHS Compliant

Chassis: PBOX 440P, Chassis Fan w/ Filter
 Chassis Color: Black
 Power Supply: 400W ATX
 M/B: PEAK 870VL2
 Backplane: NBP 14570-BX
 Dimensions: 483mm (W) x 177mm (H) x 451mm (D)
 CPU Cooler included

• PBOX 440P-14210-870 (P/N: 79R00440P02X0) RoHS Compliant

Chassis: PBOX 440P, Chassis Fan w/ Filter
 Chassis Color: Black
 Power Supply: 400W ATX
 M/B: PEAK 870VL2
 Backplane: NBP 14210
 Dimensions: 483mm (W) x 177mm (H) x 451mm (D)
 CPU Cooler included

• PBOX 440P-14570-872 (P/N: 90R440P0003X0) RoHS Compliant

Chassis: PBOX 440P, Chassis Fan w/ Filter
 Chassis Color: Black
 Power Supply: 400W ATX
 M/B: PEAK 872VL2
 Backplane: NBP 14570-BX
 Dimensions: 483mm (W) x 177mm (H) x 451mm (D)
 CPU Cooler included

• PBOX 440P-14210-872 (P/N: 90R440P0004X0) RoHS Compliant

Chassis: PBOX 440P, Chassis Fan w/ Filter
 Chassis Color: Black
 Power Supply: 400W ATX
 M/B: PEAK 872VL2
 Backplane: NBP 14210
 Dimensions: 483mm (W) x 177mm (H) x 451mm (D)
 CPU Cooler included