PBOX 240P

2U 4 Slots Full-sized PICMG 1.3 Rackmount Chassis

Main Features

- Compact 2U Rackmount Chassis
- Supports 45nm/65nm Intel® Core™ 2 Quad & Core™ 2 Duo Processors with Greater Performance and Energy Efficiency
- Supports One Slim CD-ROM and Two 3.5 Disk Drives

- Front-accessible USB and PS/2 Ports
- Supports the following Butterfly Backplanes Designs:
  NBP 2U040: Four PCI Expansion
  NBP 2U220: Two PCI, One PCIe x4 and One PCIe x16 Expansion

Product Overview

The PBOX 240P features a compact 2U Rackmoumt Industrial Computer chassis supporting PICMG 1.3 SHB Express computers and various backplanes. When configured with PEAK 872VL2 , SHB Express computer, the PBOX system supports Intel® Core™ 2 Quad or Core™ 2 Duo processors.

The PBOX 240P is also available to configure with two PCI card, one PCIe x4, and one PCIe x16 expansion card. With Intel® Core™ 2 Duo technology and PCI Express LAN, the PBOX 240P offers a great solution for advanced industrial applications that require superb display and processing performance.

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 LAN, PS2 output

Backplane Option
- NBP 2U220: 2 PCI slots (1 Full-sized add-on card support)
  1 PCIe x4/1 PCIe x16 Slots
- NBP 2U040: 4 PCI slots (3 Full-sized add-on card support)

Physical Construction
- Form Factor: 2U 19" rackmount industrial computing chassis
- Construction: Heavy-Duty Cold Rolled Electroplated Steel
- Color: Black
- Dimensions (W x H x D): 483mm x 88mm x 450mm (19" x 35" x 17.7")

- Mounting: 2 x Rack Mount Ear
- Cooling System:
  3 x ball-bearing Chassis FAN (80mm x 80mm x 25mm)
  1 x Active CPU Cooler (83mm x 89mm x 68mm)
- Weight: 16Kgs (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
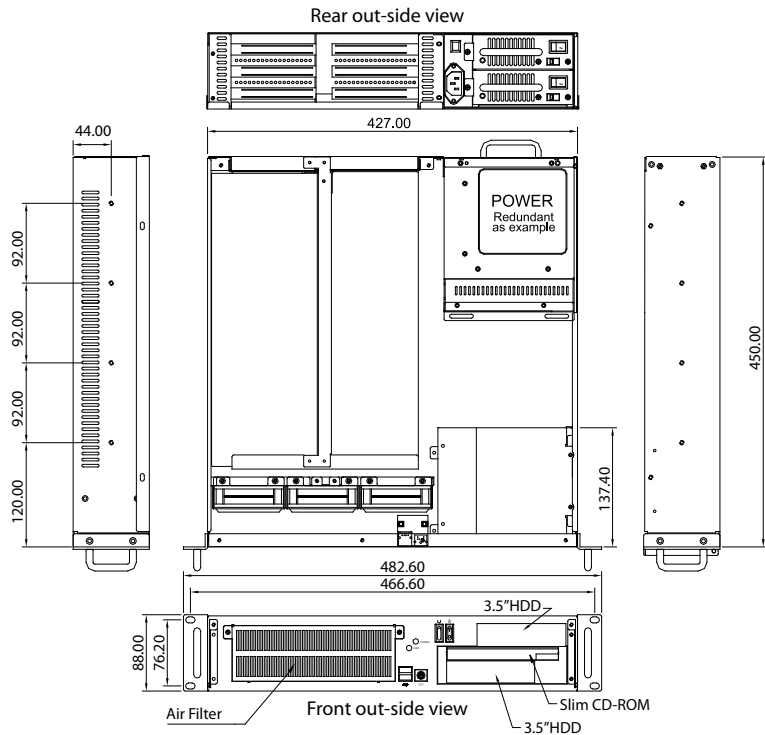 1 x power reset switch
  2 x USB port
  1 x Keyboard Port

Storage Support
- 2 x 3.5" Drive Bay
- 1 x 5.25" Drive Bay (Slim type)

Power Supply
- Power type: ATX mode
- Input Voltage: 100-240 VAC

NEXCOM

Dimension Drawing

Rear out-side view

44.00
427.00
92.00
92.00
92.00
120.00

POWER
Redundant
as example

450.00

137.40

482.60
466.60

3.5"HDD

88.00
76.20

Air Filter

Front out-side view

Slim CD-ROM

3.5"HDD

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* Max. Output Power: 400 W
* Power Supply Certifications:
  CE/FCC Class B/UL 60950/TUV EN60950

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 240P-2U220-870 (P/N: 79R00240P01X0) RoHS Compliant**

  Chassis: PBOX 240P, Chassis Fan w/ Filter
  Chassis Color: Black
  Power Supply: 400W ATX
  M/B: PEAK 870VL2
  Backplane: NBP 2U220
  Dimensions: 483mm (W) x 88mm (H) x 450mm (D)
  CPU Cooler included

* **PBOX 240P-2U040-870 (P/N: 79R00240P02X0) RoHS Compliant**

  Chassis: PBOX 240P, Chassis Fan w/ Filter
  Chassis Color: Black
  Power Supply: 400W ATX
  M/B: PEAK 870VL2

Backplane: NBP 2U040
Dimensions: 483mm (W) x 88mm (H) x 450mm (D)
CPU Cooler included

* **PBOX 240P-2U220-872 (P/N: 90R240P0004X0) RoHS Compliant**

  Chassis: PBOX 240P, Chassis Fan w/ Filter
  Chassis Color: Black
  Power Supply: 400W ATX
  M/B: PEAK 872VL2
  Backplane: NBP 2U220
  Dimensions: 483mm (W) x 88mm (H) x 450mm (D)
  CPU Cooler included

* **PBOX 240P-2U040-872 (P/N: 90R240P0003X0) RoHS Compliant**

  Chassis: PBOX 240P, Chassis Fan w/ Filter
  Chassis Color: Black
  Power Supply: 400W ATX
  M/B: PEAK 872VL2
  Backplane: NBP 2U040
  Dimensions: 483mm (W) x 88mm (H) x 450mm (D)
  CPU Cooler included