

# PBOX 460P

4U 14/20 Slots Full-sized PICMG 1.3 Rackmount Chassis



## Main Features

- 19" Rackmount Industrial Chassis
- Support Dual-core Intel® Xeon® Processor 5100 Series and Quad-core Intel® Xeon® Processor 5300 Series (80W)
- Supports Three 5.25" and One 3.5 Disk Drives
- Front-accessible USB and PS/2 Ports
- Supports the Following Backplane:  
NBP14111: 1 PCI, 1 PCIe X8 and 8 PCI-X (64-bit x 66MHz)  
NBP20016: 16 PCI-X (64-bit x 66MHz)

## Product Overview

The PBOX 460P features a 4U 19" rackmount industrial computer chassis supporting two PICMG1.3 SHB-Express computers and various backplanes. When configured with PEAK 8920VL2 SHB-Express computer, the PBOX system supports Intel® XEON 5100/ 5300 series processors with scalable I/Os on compatible backplanes.

## Specifications

### Main Board

- SHB Express: PEAK 8920VL2 PICMG 1.3 full-size, support dual-core Xeon® LGA771 processor
- 4 x 240-pin four channel DDR 2 FB-DIMM, support ECC/Register DDR2 memory up to 8GB
- 2 x Intel® GbE, 1 x VGA, 4 x USB

### Backplane Option

- NBP 14111: 1 PCI, 1 PCIe X8 and 8 PCI-X (64-bit x 66MHz)
- NBP 20016: 16 PCI-X (64-bit x 66MHz)

### 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 671mm (19"x 7"x 26.5")
- Mounting: 2x rack mount ear
- Cooling system: four 92x 92x 25mm ball bearing fan
- Weight: 24 Kgs (GW)

### Indicator

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

### I/O Interface

- Front panel external I/O: 1 x power on-off switch, 1 x power reset switch

### Storage Support

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

### Power Supply

- Power type: ATX mode
- Input voltage: 100V-240V AC
- Max. output power: 500W
- Power supply certifications: CE/FCC, UL, TUV

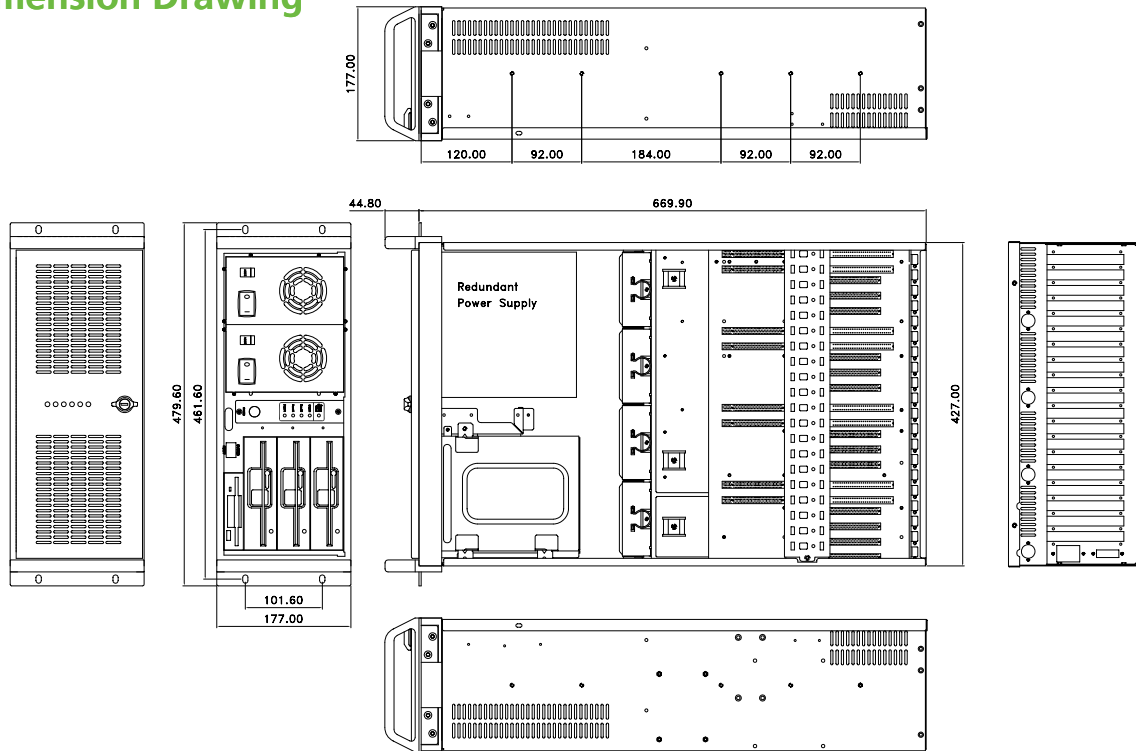
### Environment

- 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

## Dimension Drawing



## Ordering Information

- PBOX460P-20016-8920 (P/N: 90R460P0000X0) RoHS Compliant**

Chassis: PBOX 460P, chassis fan w/ filter  
 Chassis Color: black  
 Power supply: 500W ATX  
 M/B: PEAK 8920VL2  
 Backplane: NBP 20016  
 Dimensions: 483mm (W) x 177mm (H) x 671mm (D)  
 2x CPU cooler included

- PBOX460P-14111-8920 (P/N: 90R460P0001X0) RoHS Compliant**

Chassis: PBOX 460P, chassis fan w/ filter  
 Chassis Color: black  
 Power supply: 500W ATX  
 M/B: PEAK 8920VL2  
 Backplane: NBP 14111  
 Dimensions: 483mm (W) x 177mm (H) x 671mm (D)  
 2x CPU cooler included