

Fanless Box-PC 3100eP2

PKBX5030/5031/5032



The Fanless Box-PC 3100eP2 features with two PCI peripherals expansion in a compact size of fanless system with easy installation. The Fanless Box-PC 3100eP2 has dual 10/100/1.000 ports to communicate between multiple network connections. A wide ranges of supported CPUs in the Fanless Box-PC 3100eP2 provide ample computing power to control connected peripherals. Featuring Intel® 910GML E and ICH6M chipsets, the Fanless Box-PC 3100eP2

supports Intel's Pentium® M/Celeron® M processor with 400MHz FSB and DDR2 400 memory up to 2GB. The rugged Fanless Box-PC 3100eP2 is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. The added expansion feature is perfect to configure the Fanless Box-PC 3100eP2 in industrial automation, machine automation environment, and more.



Main Features

- Supports Intel® Pentium® M/Celeron® M processors
- Intel® 910GML E chipset
- Dual 10/100/1.000 LAN ports
- USB 2.0/VGA/DVI interface
- 3x RS232 & 1x RS232/422/485 via DB44 connector
- On-board DC to DC power designed to support 16 to 30VDC power input
- Supports ATX power mode and PXE/WOL
- Two PCI expansions

Technical Specifications

Main Board

- Support Intel® Pentium® M/Celeron® M processors
- Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M
- Supports 400MHz FSB CPUs only
- Intel® 910GML E and ICH6M chipsets

Main Memory

- 2x 240-pin DDR2 DIMM socket, up to 2GB unbuffered non-ECC DDR2 400 SDRAM module

Expansion

- Supports 2x 32-bit/33MHz PCI Card
- PCI Length support:
Max. 169 mm with HDD installed
Max. 2x 240 mm without HDD installed

Device

- 1x On-board CompactFlash socket
- 1x internal 2.5" SATA HDD drive bay

Power Requirements

- DC to DC power designed for on-board to support of 16 to 30VDC (Max: 120W)
- 1x optional 120W AC/DC adapter (lockable)
- Power input: 100 to 240VAC 2A 50/60Hz
- Power output: 19VDC

I/O Interface-Front

- HDD Access/Power/LAN status LEDs
- 2x USB 2.0
- ATX power on/off switch

I/O Interface-Rear

- 1x PS/2 Keyboard/Mouse
- 4x USB 2.0 ports
- 4x Serial ports
- 1x Audio Mic-in and 1x Speaker-out
- 1x DVI interface
- 2x 10/100/1000 LAN
- 1x DB15 VGA connector
- 16 to 30VDC power input
- 1x 2-pin connector output for remote power on/off switch

Dimensions and Construction

- 195 x 268 x 101 mm (W x D x H)
- Aluminum chassis with fanless design

Environment

- Operating temperature
Ambient with air flow: -5°C to 55°C
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 93% (non-condensing)

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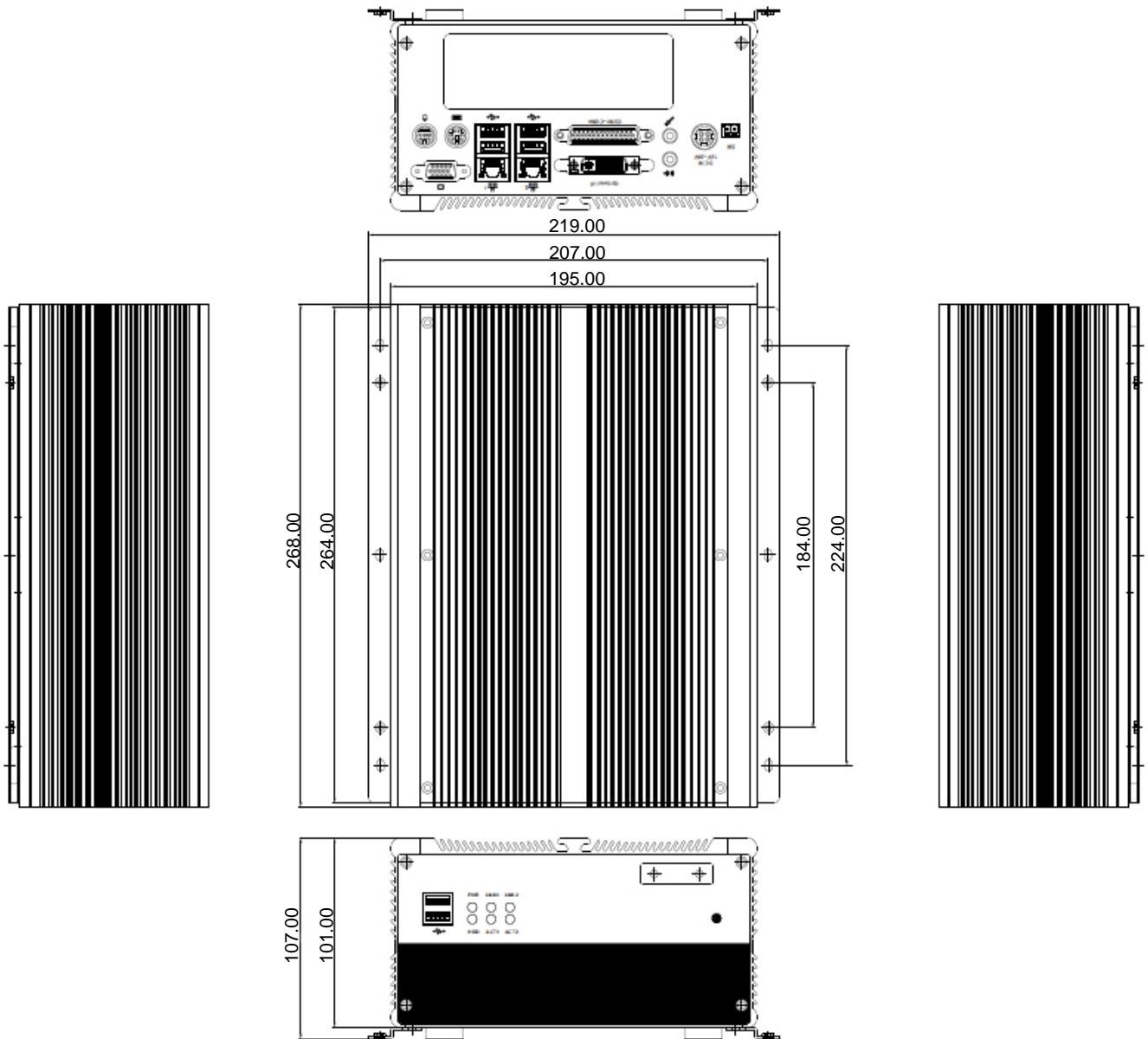
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Certifications

- CE approval
- FCC Class A

Dimension Drawing



Ordering Information

<p>PKBX5030 Fanless Box-PC 3100eP2 Barebone System 2x PCI Expansion Slot, 1x DVI, 1x VGA, 2x Gbe LAN</p> <p>PKBX5032 Fanless Box-PC 3100eP2-745 Intel Pentium M 1.8GHz 2x PCI Expansion Slot, 1x DVI, 1x VGA, 2x Gbe LAN</p>	<p>PKBX5031 Fanless Box-PC 3100eP2-370 Intel Celeron M 1.5GHz 2x PCI Expansion Slot, 1x DVI, 1x VGA, 2x Gbe LAN</p>
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