

Fanless Box-PC 2010

PKBX5401



Integrated with Intel® Atom™-based N270 1.6GHz processor and 945GSE embedded chipset, the Fanless Box-PC 2010 is an energy efficient solution in a light weight system, featuring the performance and reliable operation of industrial grade non-stop system design. The Fanless Box-PC 2010 features an on-board 1.6GHz Intel® Atom™ N270 processor with 945GSE chipset. The entire system consumes less than 25 watts power making the operating both energy efficient and cost effective. Coupled with its four serial ports (two support RS422/485 with auto-flow control feature), dual 10/100/1.000 LAN ports, four USB

ports and one external CF socket, the Fanless Box-PC 2010 is also equipped with one mini-PCIe socket and one PCI slot for expansion needs. Wide range of DC input still remain in Fanless Box-PC 2000 series from 16 to 30VDC input. With guaranteed long product life cycle, it makes the Fanless Box-PC 2010 the most ideal model for embedded vertical markets including factory automation, access control, machinery control, equipment control, outdoor advertising systems, and self-service system such as vending machine, ticketing kiosks and POS.



Main Features

- On-board Intel® Atom™ N270 Processor, 1.6GHz
- Intel 945GSE chipsets
- Dual 1.000/100/10 Mbps LAN ports
- 4x USB 2.0/VGA/Parallel port
- 2x RS232 and 2x RS232/422/485

- On-board DC to DC power design to support 16 to 30VDC power input
- Support ATX power mode and PXE/WOL
- One Mini-PCIe socket
- One PCI expansion slot

Technical Specifications

Main Board

- On-board Intel® Atom™ N270, 1.6GHz speed, 533MHz FSB

Chipset

- Intel® 945GSE and Intel® ICH7M

Main Memory

- 1x DDR2 SO-DIMM sockets, single channel, support up to 2GB DDR2 400/533/667 SDRAM, unbuffered, non-ECC

Expansion

- Supports one 32-bit/33MHz PCI card (10W power consump. max.)
- PCI Length support: Max. 176 mm
- One Mini-PCIe socket

I/O Interface-Front

- ATX Power on/off switch
- HDD Access/Power status LEDs
- 2x USB2.0 ports
- 4x Serial port (COM3 and COM4 screw terminal support RS232/422/485, auto flow control)
- 1x parallel port

Storage

- 1x 2.5" SATA HDD drive bay
- One external CF card Socket
- Support one optional USB DOM (2.54mm, Horizontal type)

I/O Interface-Rear

- 16 to 30VDC input
- 1x PS/2 Keyboard/Mouse
- 1x DB15 VGA connector
- 2x Gbe LAN ports
- 1x Speaker out
- 2x USB2.0 ports
- One antenna hole for optional Mini-PCIe WiFi module

Power Requirements

- ATX power mode
- DC to DC power on-board to support 16V to 30VDC
- Optional 19V, 65W AC/DC Power adapter

Dimensions and Construction

- 195 x 200 x 81 mm (W x D x H)
- Aluminum chassis with fanless design

Environment

- Operating temperature: Ambient with air flow: -5°C to 55°C (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 93% (non-condensing)

Certifications

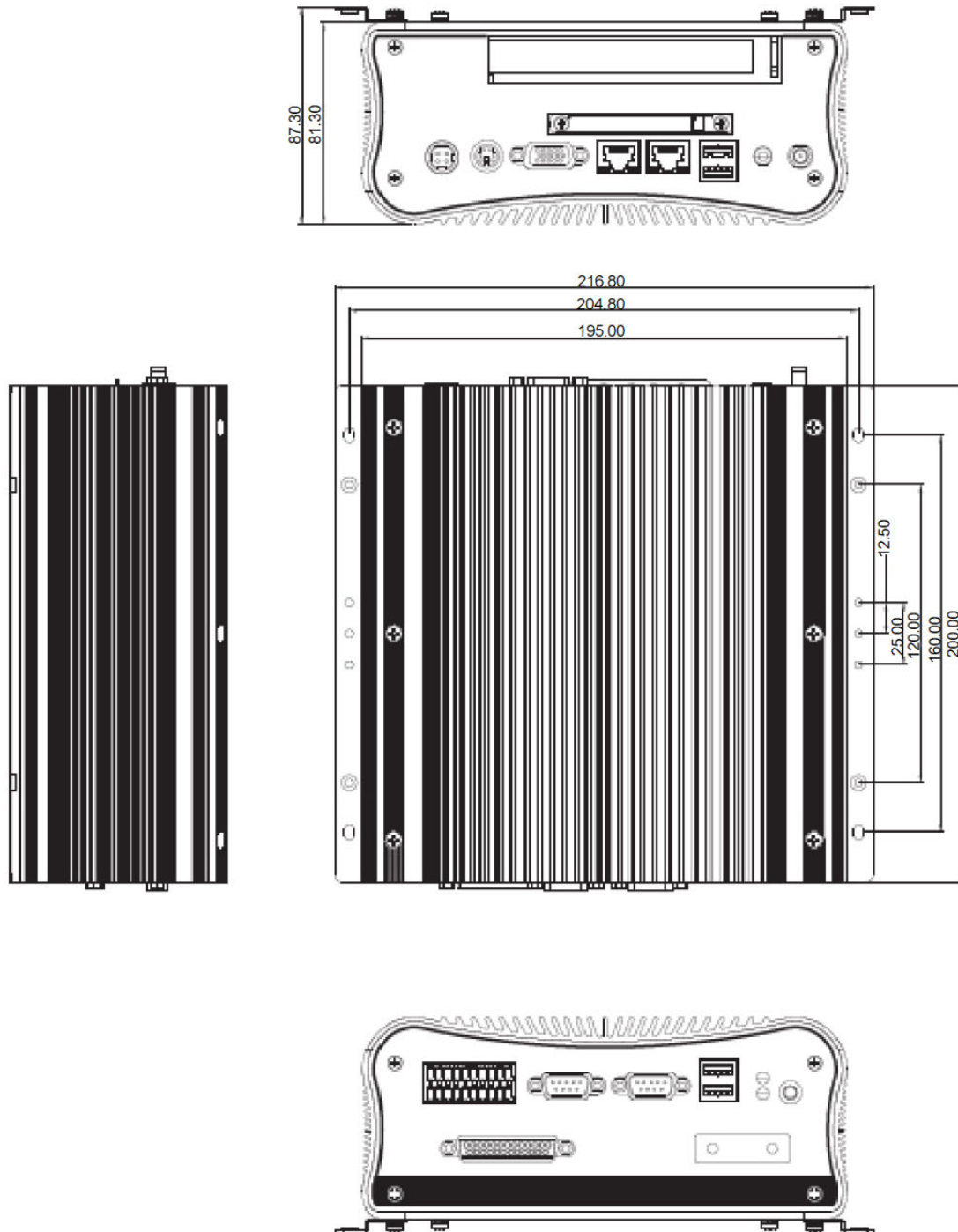
- CE approval and FCC Class A

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Dimension Drawing



Ordering Information

PKBX5401 Fanless Box-PC 2010-270
Intel Atom N270 1.6GHz, Mini-PCIe Socket, 1x PCI