

Fanless Box-PC 3200

PKBX5250/5251



The Fanless Box-PC 3200 features the low power fanless ETX module design. The Fanless Box-PC 3200 is configured with Intel® 852GM and ICH4 chipset with either on board Intel® Celeron® M 600MHz with 512KB L2 cache or on board Intel® Celeron® M 1GHz with 512KB L2 cache. The Fanless Box-PC 3200 supports one SO-DIMM 400 FSB memory up to 1GB, and the Intel® 82562ET 10/100 Ethernet controller provides sufficient network traffic for data exchanges. The special designed I/O supports four serial ports for legacy device connection that includes two RS422/RS485 interfaces with automatic flow control, ±15 KV ESD protected and isolation (optical isolation, max. 2000VDC) through a 10-pin screw terminal connector. Furthermore, an optional NVRAM socket is reserved for memory backup SRAM, which offers optional dedicated plug-in NVRAM memory. The Fanless Box-PC 3200 series have an option to add the 2nd tier expansion kit on top of the original unit, which is available upon ODM request. The utilization of the additional space on top of the original unit could configure a slim type of CD-ROM, PC/104 or PC/104+ modules that offer customer-defined I/Os. The Fanless Box-PC 3200 with Intel® based platform offers a low cost solution with great value and outstanding performance.



Front Side



Rear Side

Main Features

- Intel® Pentium® M/Celeron® M based fanless design
- 2x RS232 and 2x RS422/485 (automatic flow control and isolation)
- Type I/II PC card (PCMCIA)
- CompactFlash socket, VGA, USB Port, LPT, KB, Mouse, Ethernet and Audio

- Single DC input, Voltage from 9 to 36VDC
- PC/104+ connectors for both PCI and ISA interface
- Optional chassis upgrade kit with easy expansion solution
- NVRAM socket reserved for optional memory backup SRAM

Technical Specifications

Main Board

- Supports ETX Module with Celeron® M 600MHz and 1GHz w/512KB L2 Cache, VGA/ISA/PCI/IDE/LVDS/Audio/COM/LPT/USB2.0/LAN Interface

Main Memory

- 1x 200-pin SODIMM Socket for up to 1GB non-ECC non-registered DDR SDRAM Memory

I/O Interface-Front

- Power/HDD Status LEDs
- 2 LEDs, connect to GPIO, programmable for alarm or other application specific purposes
- 1x PCMCIA socket
- 1x external access CompactFlash socket
- 2x serial ports (support RS232)
- 1x screw terminal for COM3 and COM4 support RS 422/485 (automatic flow control and isolation up to 2000VDC)
- 2x USB 2.0 ports

I/O Interface-Rear

- 2x 10/100 Ethernet LAN
- 2x USB 2.0 ports
- 1x KB/Mouse connector
- 9VDC to 36VDC power input
- 1x Power reset button
- 1x VGA connector (DB15)
- 1x Audio-out and 1x Mic-in connector
- 1x parallel port

Device

- 1x Front Access PCMCIA socket
- 1x Internal CompactFlash socket
- 1x Internal 2.5" HDD drive bay
- 1x NVRAM socket

Expansion

- 1x PCMCIA
- The Fanless Box-PC 3200 design offers an expansion kit, which is available upon ODM request. Typical utilization of 2nd tier space on top of original base enclosure could include a slim-type CD-ROM or PC/104, PCI 104 or PC/104+ modules with defined I/Os. The maximum height of the expansion kit combined with base enclosure is around 2U.
- PC/104 (ISA), PCI 104(PCI) or PC/104+ module w/defined I/O output

Dimensions

- 260 x 176 x 55 mm (W x D x H)

Environment

- Operating Temperature (Ambient with air flow): 5°C to 40°C (w/HDD) -10°C to 50°C (w/CF card only)
- Tcase (Surface Temperature of Chassis) 5°C to 45°C (w/HDD) -10°C to 50°C (w/CF card only)
- Storage Temperature: -20°C to 80°C
- Relative Humidity: 10% to 90% (non-condensing)

Certifications

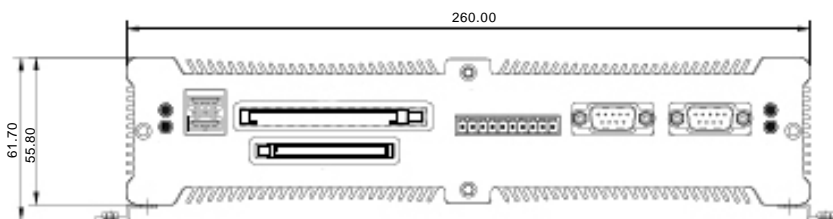
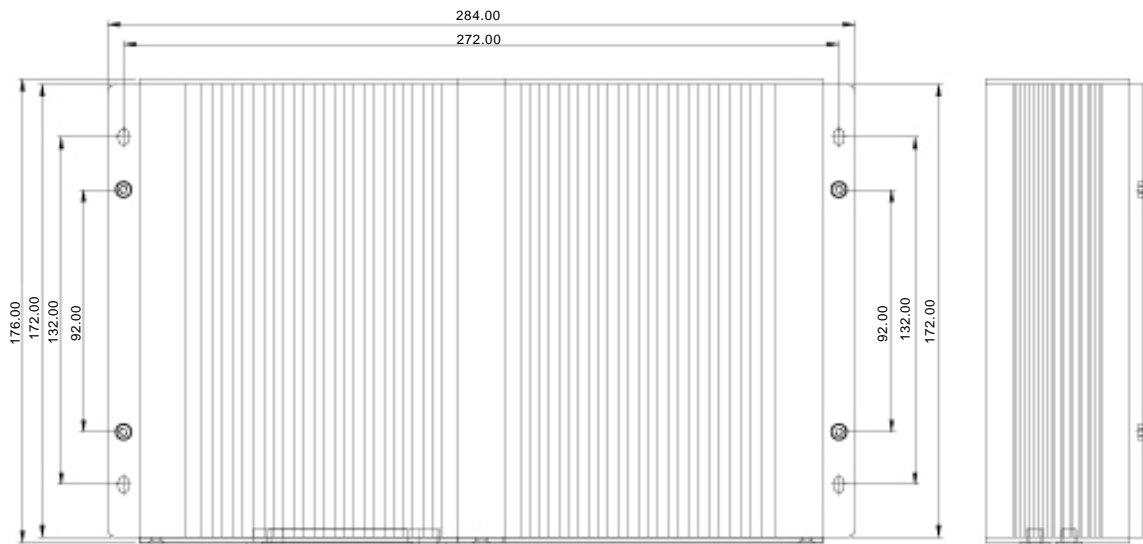
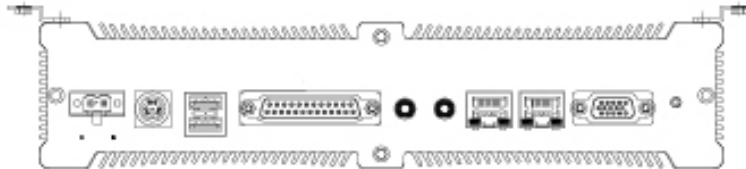
- CE approval
- FCC Class A

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Dimension Drawing



Ordering Information:

PKBX5250 Fanless Box-PC 3200-C65-M256
Intel Celeron M,600MHz CPU,256MB RAM,
Dual LAN

PKBX5251 Fanless Box-PC 3200-373-M512
Intel Celeron-M,1GHz CPU,512MB RAM,
Dual LAN