

Fanless Box-PC 3500M2E

PKBX5153/-1/-2/-3



Utilizing 32nm Intel® Core™ i7/i5 processor, the Fanless Box-PC 3500 series feature Intel® Turbo Boost and Intel® Hyper-Threading technologies (2 cores, 4 threads), as well as on-processor graphics and two DDRIII 800/1.066 memory modules up to 4GB. In addition, the Fanless Box-PC 3500 provides a wide variety of display I/O configurations and rich I/O interfaces including two Intel® GbE Ethernet ports, 5x COM ports, 6x USB, 8x GPIO, 2x SATAII, 2x

eSATA, audio interfaces. The Fanless Box-PC 3500M has more features than Fanless Box-PC 3500, for example, it is equipped with 3x IEEE1394b ports and 1x HDMI port. The Fanless Box-PC 3500 is designed for a broad range of applications which demand intense graphics performance, these include medical diagnostic equipment, medical imaging, data storage, industrial automation, public infotainment, surveillance security applications.



Main Features

- Support Intel® Core™ i7/i5 socket processor
- Mobile Intel® QM57 PCH
- Dual Intel® Gigabit Ethernet ports
- Dual VGA or VGA/DVI or DVI/HDMI independent display
- 3x RS232 and 1x RS232/422/485 w/auto flow control
- 3x IEEE1394b ports, 2x eSATA
- 4x Digital Input, 4x Digital Output
- On-board DC to DC power design to support 9 to 30VDC power input
- Support ATX power mode and PXE/WOL
- 1x PCI expansion slot and 1x PCIe expansion slot

Technical Specifications

Main Board

- On board Mobile Intel® QM57 Platform Controller Hub
- Support Intel® Core™ i7-620M PGA processor (2.66GHz, 4M Cache)
- Support Intel® Core™ i5-520M PGA processor (2.4GHz, 3M Cache)
- Support Intel® P4500 PGA processor (1.86GHz, 2M Cache)

Main Memory

- 2x 240-pin memory DIMM, up to 4GB DDR3 800/1.066MHz SDRAM, unbuffered and non-ECC
- Note: Actual memory size is dynamic based on the OS I/O resource allocation

Device

- 2x 2.5" HDD driver bay

Expansion

- 1x PCI expansion slot and 1x PCIe expansion slots (max. power consumption = 10W/slot)
- Add-on card length: 169mm max.

I/O Interface-Front

- ATX power on/off switch
- HDD Access/Power status LEDs
- 2x USB2.0 ports
- 2x eSATA ports
- 3x IEEE1394b ports
- 1x HDMI

I/O Interface-Rear

- 2-pin Remote Power on/ff switch
- 9 to 30VDC input
- 1x PS/2 for Keyboard/Mouse
- 1x DB15 male connector for GPIO (4x digital-input and 4x digital-output)
- 1x DB44 Serial Port for 4x RS232 (COM2: RS232/422/485 with auto flow control)
- 2x GbE LAN ports
- 4x USB2.0 ports
- 1x DB15 VGA port
- 1x DVI-I port (DVI-D and VGA)
- 1x Speaker out and 1x Mic-in

Power Requirements

- ATX power mode
- On-board DC to DC power support from 9 to 30VDC
- Optional power adapter

Dimensions and Construction

- 195 x 268 x 101 mm (W x D x H)
- Aluminium 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)

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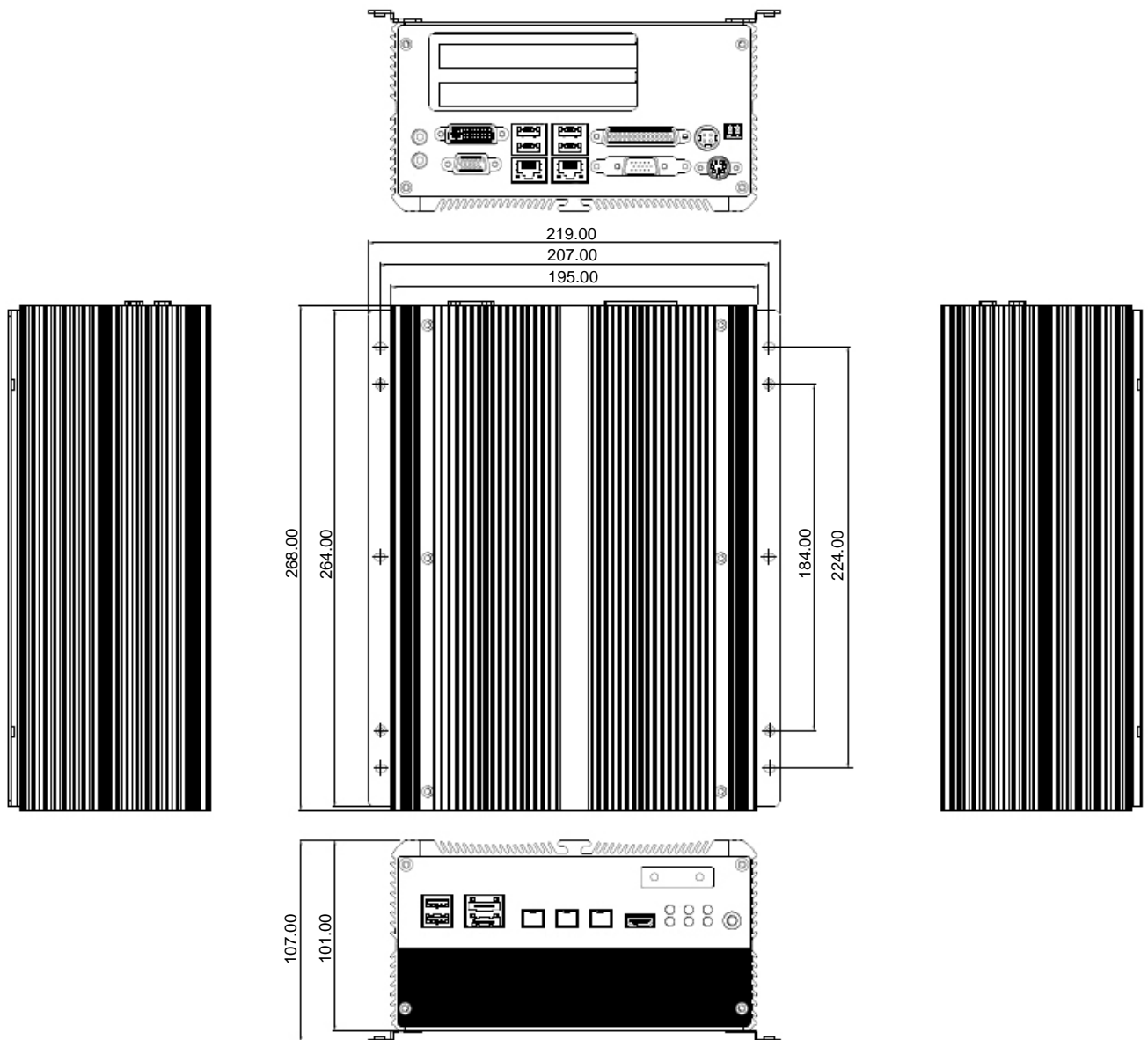
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Certifications

- EN60601 compliant
- CE approval
- FCC class B

Dimension Drawing



Ordering Information

PKBX5153	Fanless Box-PC 3500M2E Barebone w/o CPU VGA, DVI-I, IEEE1394b, e-SATA, HDMI, PCI, PCIe	PKBX5153-1	Fanless Box-PC 3500M2E w/Intel Core i7-620M 2.66GHz VGA, DVI-I, IEEE1394b, e-SATA, HDMI, PCI, PCIe
PKBX5153-2	Fanless Box-PC 3500M2E w/Intel Core i5-520M 2.4GHz VGA, DVI-I, IEEE1394b, e-SATA, HDMI, PCI, PCIe	PKBX5153-3	Fanless Box-PC 3500M2E w/Intel P4500 1.86GHz VGA, DVI-I, IEEE1394b, e-SATA, HDMI, PCI, PCIe