

Mobile Surveillance Box-PC 3540

PKBX5520/-1/-2



Utilizing 32nm Intel® Core™ i7/ i5 processor, the Mobile Surveillance Box-PC 3540 series features Intel® Turbo Boost and Intel® Hyper-Threading technologies (2 cores, 4 threads), as well as on-processor graphics and two DDR3 800/1.066 memory modules up to 4GB. In addition, the Mobile Surveillance 3540 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 Mobile Surveillance Box-PC 3540 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, and 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 Independent Display
- 3x RS232 and 1x RS232/422/485 with Auto Flow Control
- On-board DC to DC Power Design to Support 9V to 30VDC Power Input
- Support ATX Power Mode and PXE/WoL
- 4x PoE
- Optional Software

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, un-buffered and non-ECC
- * Note: Actual memory size is dynamic based on the OS I/O resource allocation

Device and Expansion

- Device: 2x 2.5" HDD driver bay
- Expansion: 2 x PCI expansion (for optional 4x PoE)
- Expansion: Add-on card length: 169 mm max.

I/O Interface-Front

- ATX power on/off switch
- HDD access/power status LEDs
- 2x USB2.0 ports
- 2x eSATA ports

I/O Interface-Rear

- 2-pin remote power on/off 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 ports
- 4x USB2.0 ports
- 1x DB15 VGA port, 1x DVI-D port
- 1x Speaker-out and 1x Mic-in

Power Requirements

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

Dimensions and Construction

- Dimensions: 195 x 268 x 80 mm (W x D x H)
- Construction: 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

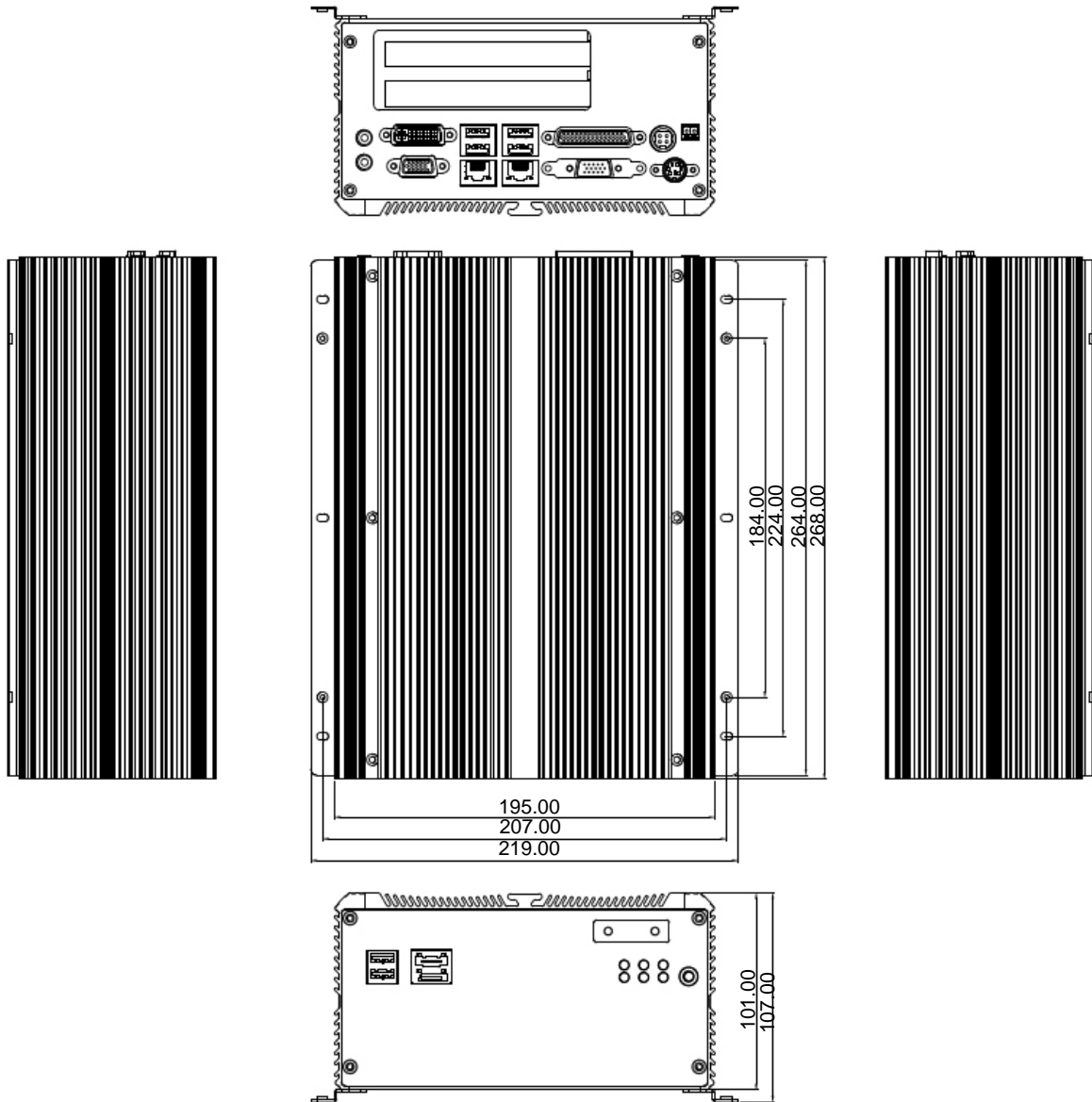
- CE approval
- FCC class A

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Dimension Drawing



Ordering Information

PKBX5520 Mobile Surveillance Box-PC 3540-i7
Intel Core i7-620M 2.66GHz

PKBX5520-1 Mobile Surveillance Box-PC 3540-i5
Intel Core i5-520M 2.4GHz

PKBX5520-2 Mobile Surveillance Box-PC 3540-P4500
Intel P4500 1.86GHz