

Fanless Box-PC 3110P2

PKBX5080/5081/5083/5084



Featuring Intel® 945GME and ICH7-M chipsets, the Fanless Box-PC 3110P2 supports Intel's Core™ 2 Duo/Celeron® M processor with 533/667MHz FSB and DDR2 667/533 memory. The rugged Fanless Box-PC 3110P2 is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. For added flexibility, the Fanless Box-PC 3110P2 also boasts three RS232 ports, one RS232/422/485 port and two PCI expansion slots. For data storage, the Fanless Box-PC 3110P2

provides one CompactFlash socket and one 2.5" HDD drive bay. The System supports ATX mode power feature and can accept a wide range of power supplies from 12 to 30VDC. Housed in a compact 195 x 268 x 107 mm heavy-duty aluminum chassis, the Fanless Box-PC 3110P2 is designed for reliable, maintenance-free industrial computing. The Fanless Box-PC 3110P2 offers a cost-effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, and POS systems.



Main Features

- Support Intel® Core™ 2 Duo/Core™ Duo/Celeron® M processors
- Intel® 945GME Chipsets
- Dual 1.000/100/10Mbps LAN ports
- 6x USB2.0/VGA/DVI
- 3x RS232 and 1x RS232/422/485 via DB44 connector
- On-board DC to DC power design to support 12 to 30VDC power input
- Support ATX power supply and PXE/WOL
- Two PCI expansion slots

Technical Specifications

Main Board

- Support Intel® Core™ 2 Duo, Core™ Duo, Celeron® M family processors
- Support 533/667MHz FSB CPU
- Intel® Embedded Processor Reference List (Intel® Longevity CPU): Core Duo Processor (T2500) 2.0G and Celeron® M 440 1.86G

Chipset

- Intel® 945GME Graphics Memory Controller Hub (GMCH)
- Intel® 82801 ICH7-M

Main Memory

- 2x 240 pin DDR2 533/667 DIMM sockets, up to 4 GB, dual channel unbuffered non-ECC (max. 4GB. Actual memory size is dynamic based on the OS I/O resource allocation)

Expansion

- Supports 2x 32-bit/33MHz PCI card
- PCI Length support: max. 1x 160/140mm w/2.5" HDD and 240mm w/o2.5" HDD installed

Device

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

I/O Interface-Front

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

I/O Interface-Rear

- 2x PS/2 connectors (KB/MS)
- 1x DB15 VGA connector, 1x DVI-D interface
- 4x USB 2.0 ports
- 2x GbE LAN ports
- 4x Serial ports, with 1x DB44 connector (Three ports support RS232; one port supports RS232/422/485)
- 1x Mic-in and 1x Speaker-out
- 1x 2-pin connector output for remote power on/off switch
- DC-in power connector for 12 to 30VDC power input

Power Requirements

- DC to DC power on-board to support 12 to 30VDC (max: 120W)
- 1x External 120W AC adapter
- Power Input: 100 to 240VAC 2A 50/60Hz
- Power Output: 19VDC

Dimensions and Construction

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

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

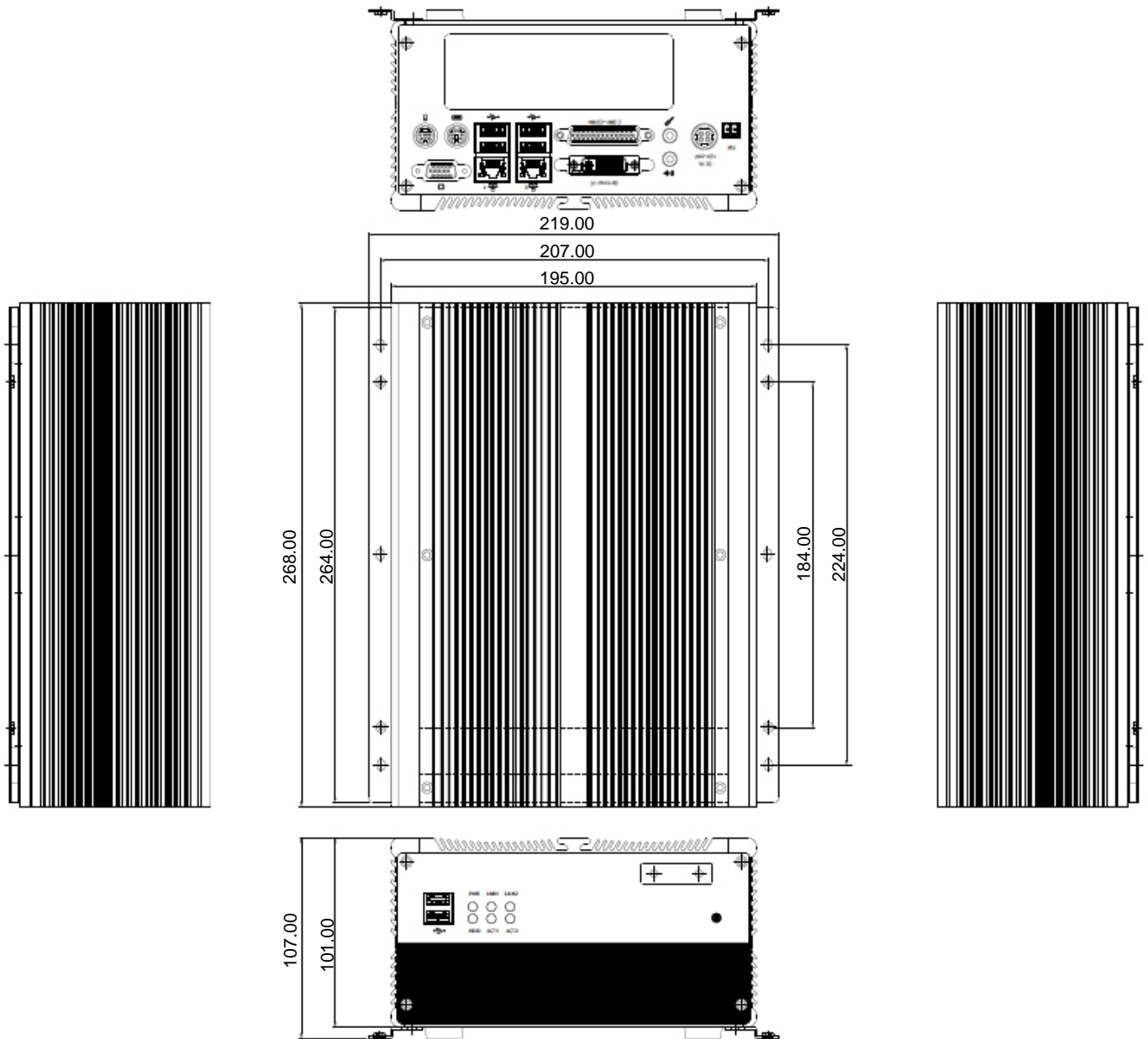
- CE approval
- FCC Class A

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Dimension Drawing



Ordering Information

PKBX5080 Fanless Box-PC 3110P2 Barebone CoreDuo
2x PCI Slot, 1x DVI, 4x COM, 4xUSB, 1x VGA

PKBX5081 Fanless Box-PC 3110P2-M440 Intel Celeron M440 1.86G
2x PCI Slot, 1x DVI, 4x COM, 4x USB, 1x VGA

PKBX5083 Fanless Box-PC 3110P2-T25 Intel Core Duo T2500 2G
2x PCI Slot, 1x DVI, 4x COM, 4xUSB, 1x VGA

PKBX5084 Fanless Box-PC 3110P2-L74 Intel Core2Duo L7400 1.5G
2x PCI Slot, 1x DVI, 4x COM, 4xUSB, 1x VGA