

Fanless Box-PC 3110P2E

PKBX5085/5086/5087



Featuring Intel® 945GME and ICH7-M chipsets, the Fanless Box-PC 3110P2E support Intel Core™ 2 Duo/ Celeron® M processor with 533/667MHz FSB and DDR2 667/533 memory. The rugged Fanless Box-PC 3110P2E is designed for space critical application requires extreme reliability, low power consumption and versatile I/O configuration. For added flexibility, the Fanless Box-PC 3110P2E also boasts three RS232 ports, one RS232/422/485 port and one PCI and one PClex1 expansion slots. For data storage, the Fanless Box-PC 3110P2E 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 (W x D x H) heavy duty aluminum chassis, the Fanless Box-PC 3110P2E is designed for reliable, maintenance free industrial computing. The Fanless Box-PC 3110P2E offers a cost effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, and POS systems.



Front Side



Rear Side

Main Features

- Support Intel® Core™ 2 Duo/Core™ Duo/Celeron® M processors
- Intel® 945GME chipset
- Dual 1000/100/10 Mbps 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
- 1x PCI and 1x PCI express 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 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 4GB, dual channel unbuffered non-ECC (Maximum 4GB. Actual memory size is dynamic based on the OS I/O resource allocation.)

Expansion

- Supports 1x 32-bit/33MHz PCI card and 1x PCI express add-on card
- Add-on card length support:
Max. 1x 160 mm and 1x 240 mm (w/ 2.5" HDD installed)
Max. 2x 240 mm (w/o 2.5" 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 VGA connector
- 4x USB 2.0 ports
- 2x Gbe LAN ports
- 1x DVI interface
- 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

- 195 x 268 x 107 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)

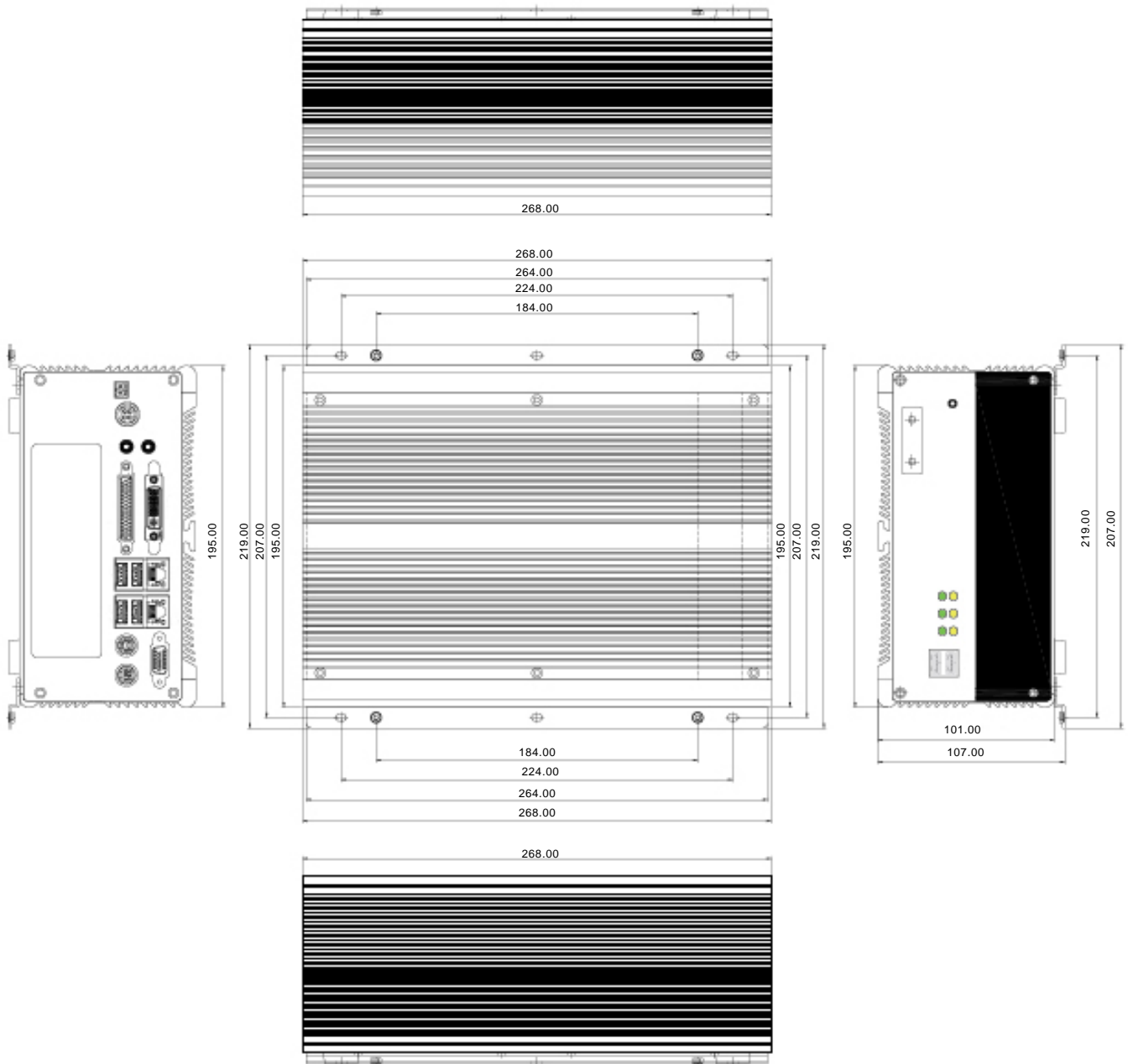
Certifications

- CE approval
- FCC

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Dimension Drawing



Ordering Information

- PKBX5085 FanlessBox-PC 3110P2E Barebone C-M, Core Duo, Core 2 Duo
1xPCI Slot, 1xPClex1, 1x DVI/VGA, 4x COM, 4x USB
- PKBX5086 FanlessBox-PC 3110P2E-T25 Intel CoreDuo T2500 2GHz
1xPCI Slot, 1xPClex1, 1x DVI/VGA, 4x COM, 4x USB
- PKBX5087 FanlessBox-PC 3110P2E-L75 Intel Core 2 Duo L7500 1.5GHz
1xPCI Slot, 1xPClex1, 1x DVI/VGA, 4x COM, 4x USB