



# Fanless Box-PC 3110

## PKBX5070/5071/5073/5074

Featuring Intel® 945GME and ICH7-M chipsets, the Fanless Box-PC 3110 computer supports Intel Core™ 2 Duo/Celeron® M processor with 533/667MHz FSB and DDR2 667/533 memory. The rugged Fanless Box-PC 3110 computer is designed for space critical application requires extreme reliability, low power consumption and versatile I/O configuration. For added flexibility, the Fanless Box-PC 3110 also boasts three RS232 ports, one RS232/422/485 port and one PCI expansion slot. For data storage, the Fanless Box-PC 3110 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 80 mm (W x D x H) heavy duty aluminum chassis, the Fanless Box-PC 3110 is designed for reliable, maintenance free industrial computing. The Fanless Box-PC 3110 computer 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 with 533/667MHz
- Intel® 945GME chipset
- Dual 1.000/100/10Mbps LAN ports
- 6x USB 2.0/ 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 mode and PXE/WOL
- 1x PCI expansion slot

### 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 4GB, dual channel unbuffered non-ECC (max. 4GB. Actual memory size is dynamic based on the OS I/O resource allocation)

#### Expansion

- Supports one 32-bit/33MHz PCI card
- PCI Length support: max. 160 mm w/2.5" HDD and max. 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 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 (lockable)  
Power Input: 100 to 240VAC 2A 50/60Hz  
Power Output: 19VDC

#### Dimensions and Construction

- 195 x 268 x 80 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

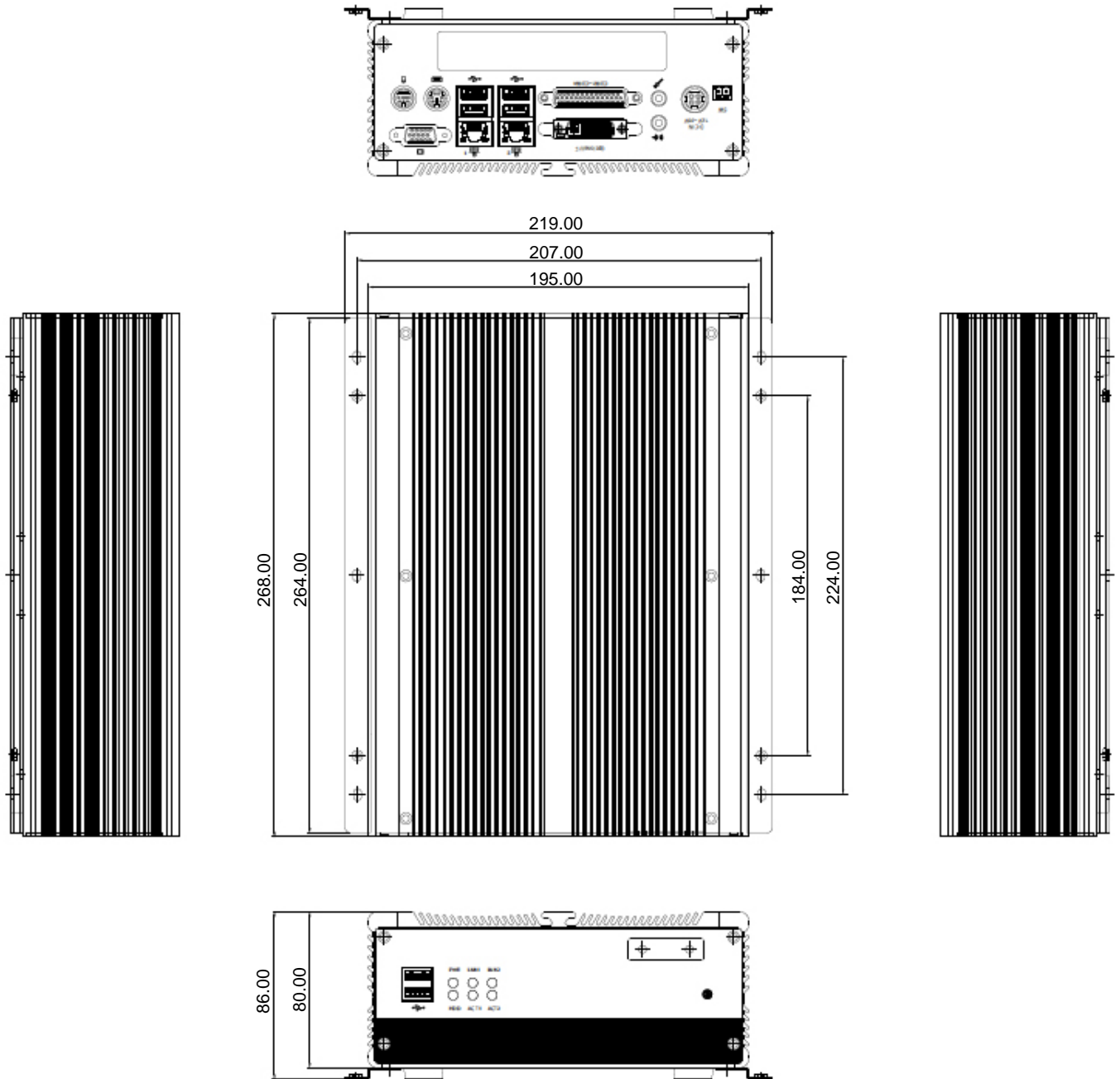
- CE approval
- FCC Class A

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### Dimension Drawing



### Ordering Information

PKBX5070	Fanless Box-PC 3110 BareBone CoreDuo 1x PCI Slot, 1x DVI, 4x COM, 4x USB, 1x VGA	PKBX5071	Fanless Box-PC 3110-T25 Intel CoreDuo T2500 2 1x PCI Slot, 1x DVI, 4x COM, 4x USB, 1x VGA
PKBX5073	Fanless Box-PC 3110-440 Intel Celeron M440, 1.86G 1x PCI Slot, 1x DVI, 4x COM, 4x USB, 1x VGA	PKBX5074	Fanless Box-PC 3110-L74 Intel Core2Duo L7400 1.5G 1x PCI Slot, 1x DVI, 4x COM, 4x USB, 1x VGA