

Fanless Box-PC 3110-R

PKBX5079/5079-1



Featuring Intel 945GME and ICH7-M DH chipsets, the Fanless Box-PC 3110-R support Intel Core 2 Duo/Celeron M processor with 533/667MHz FSB and DDR2 667/533 memory. The rugged Fanless Box-PC 3110-R 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-R also boasts three RS232 ports, one RS232/422/485 port and five USB ports. For data storage, the Fanless Box-PC 3110-R provides one CompactFlash socket and two 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-R is designed for reliable, maintenance free industrial computing. The Fanless Box-PC 3110-R computer 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 1000/100/10Mbps LAN ports
- 5x USB2.0/VGA

- 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
- Support RAID O/I

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 530 1.73G
 - Celeron® M 440 1.86G

Chipset

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

Main Memory

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

Device

- 1x On-board CompactFlash socket
- 2x Internal 2.5" HDD drive bay

I/O Interface Front

- Customized logo (optional)
- HDD Access/Power/LAN status LEDs
- 1x USB 2.0 ports
- ATX power on/off switch

I/O Interface Rear

- 2x PS/2 Keyboard/Mouse
- 1x VGA connector
- 4x USB 2.0 ports
- 2x GbE LAN ports
- 4x Serial ports, with 1x DB44 connector (3x support RS232; 1x supports RS232/422/485)
- 1x Antenna hole for optional USB-WiFi module
- 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 Input

- DC to DC power on-board to support 12 to 30VDC (Max. 120 Watts)
- 1x External 120W AC adapter (lockable)
- Power input: 100 to 240VAC 2A 50/60Hz
- Power output: 19VDC

Dimensions

- 195 x 268 x 80 mm (W x D x H)

Construction

Aluminum chassis with fanless design

Environment

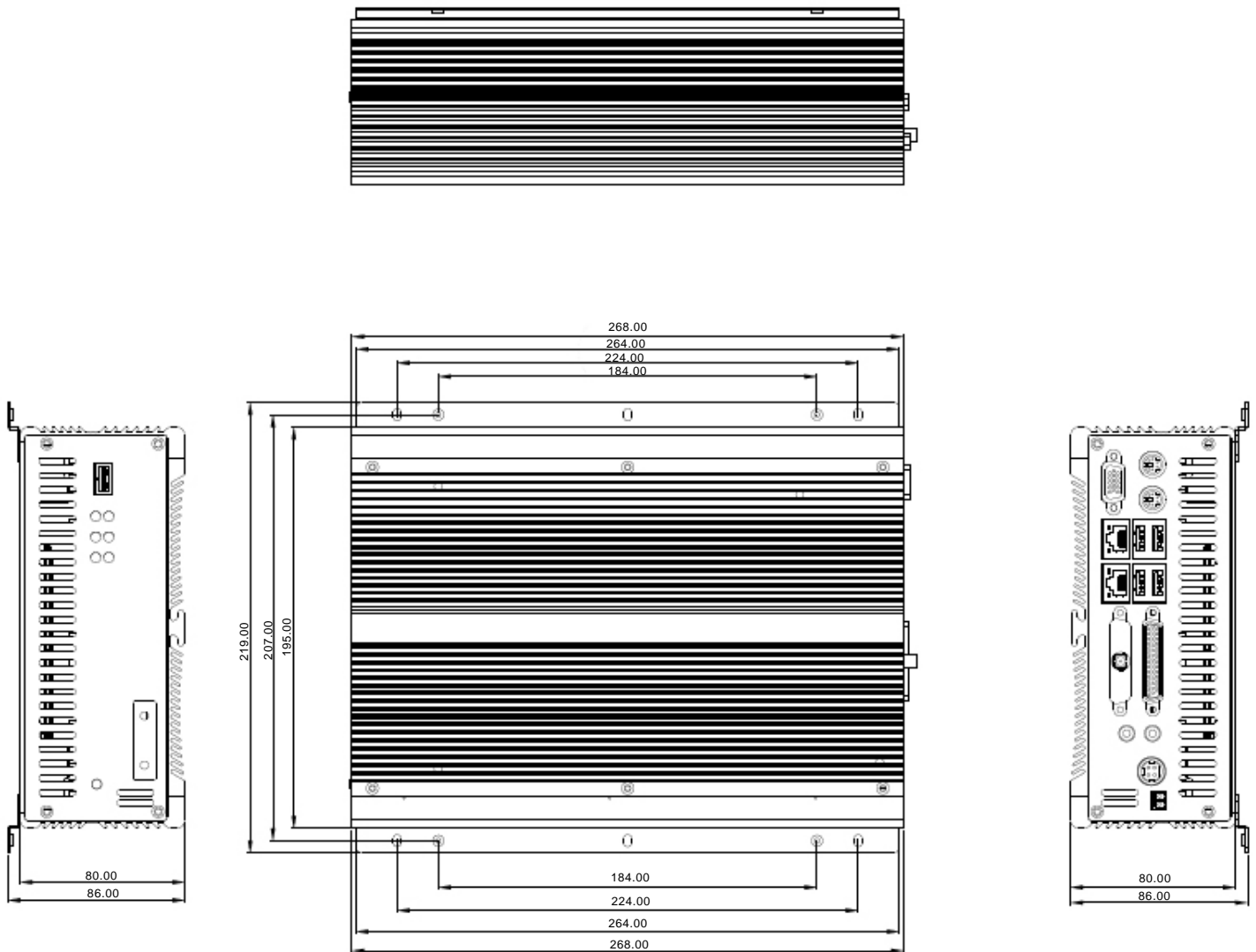
- Operating temperature
 - Ambient with air flow: 0°C to 35°C
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 93% (non-condensing)



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Dimension Drawing



Ordering Information

- PKBX5079 Fanless Box-PC 3110-R Barebone C-M, Core Duo, Core 2 Duo
1x VGA, 4x COM, 2x 2.5" HDD Bay (Raid 0 & Raid 1)
- PKBX5079-1 Fanless Box-PC 3110-R Core Duo T2500 2GHz
1x VGA, 4x COM, 2x 2.5" HDD Bay (Raid 0 & Raid 1)