

Fanless Box-PC 3220

PKBX5201



Designed for industrial automation applications, the Fanless Box-PC 3220 is built with aluminum chassis and is configured with onboard AMD Geode™ LX800 and C55536 with 128KB L2 cache processor. The Fanless Box-PC 3220 is rich in I/O with four serial ports; two of them are RS422/RS485 ports with automatic flow control, ±15 KV ESD protection, and isolation voltage of up to 2000VDC. Moreover, the Fanless Box-PC 3220 has VGA, LPT, and audio interface on-board. In terms of power supply, the Fanless Box-PC 3220 accepts a wide range of input DC voltages from 9 to 36VDC. The Fanless Box-PC3220 is highly expandable. It has an optional NVRAM socket

reserved for memory backup SRAM. Additionally, the Fanless Box-PC 3220 has a CF socket and supports PC cards (PCMCIA). For further system expansion, an optional 2nd tier expansion kit, available through ODM or special request, can be installed. Typical utilization of 2nd tier space on top of the original base enclosure includes a slim type CD-ROM, PC/104, PCI 104 or PC/104+ modules that offer customer-defined I/Os. With features above, the Fanless Box-PC 3220 with AMD LX800 based platform is a great entry level industrial automation system offering great value and strong performance.



Main Features

- AMD Geode™ LX800 based fanless design
- 2x RS232 and 2x RS422/485 (Automatic flow control and isolation)
- Type I/II PC card (PCMCIA)
- PC/104+ connectors for both PCI and ISA interface
- CompactFlash socket, VGA, USB Port, LPT, KB, MS, Ethernet and Audio

- Single DC input supply voltage from 9 to 36VDC
- Optional chassis upgrade kit with easy expansion solution
- NVRAM socket reserved for optional memory backup SRAM

Technical Specifications

Main Board

- Supports ETX Module with AMD LX800 Processor, VGA/ISA/PCI IDE/ LVDS/Audio/COM/LPT/USB2.0/LAN interface

Main Memory

- 1x 200-pin SODIMM socket for up to 1GB non-ECC non-registered DDR SDRAM memory

I/O Interface-Front

- Power/HDD Status LEDs
- 2 LEDs, connect to GPIO, programmable for alarms or other purposes defined by developer
- 1x PCMCIA socket
- Serial ports (support RS-232)
- 1x Screw terminal for COM3 and COM4 support RS-422/485 (Automatic flow control and isolation up to 2000VDC)
- 2x USB 2.0 ports

I/O Interface-Rear

- 2x 10/100 Ethernet LAN
- 2x USB 2.0 ports, 1x parallel port, 1x KB/Mouse connector
- 9 to 36VDC power input
- Power reset button
- 1x DB15 VGA connector
- 1x Audio-Out and 1x Mic-In connector

Device

- 1x front access PCMCIA socket, 1x NVRAM socket
- 1x internal CompactFlash socket, 1x internal 2.5" HDD drive bay

Expansion Slot

- 1x PCI expansion (PCMCIA)
- The Fanless Box-PC 3220 design offers a expansion kit which is available upon ODM request. Typical utilization of 2nd floor space on top of original base enclosure could include a slim type CD-ROM or PC/104, PCI 104 or PC/104+ modules with defined I/Os. The maximum height of the expansion kit combined with base enclosure is around 2U.
- PC/104 (ISA), PCI 104(PCI) or PC/104+ module w/ defined I/O output

Dimensions

- 260 x 176 x 55 mm (W x D x H)

Environment

- Operating Temperature (Ambient with air flow):
 - 5°C to 40°C (w/HDD)
 - 10°C to 50°C (w/CF card only)
- Tcase (Surface Temperature of Chassis)
 - 5°C to 45°C (w/HDD)
 - 10°C to 50°C (w/CF card only)
- Storage Temperature: -20°C to 80°C
- Relative Humidity: 10% to 90% (non-condensing)

Certifications

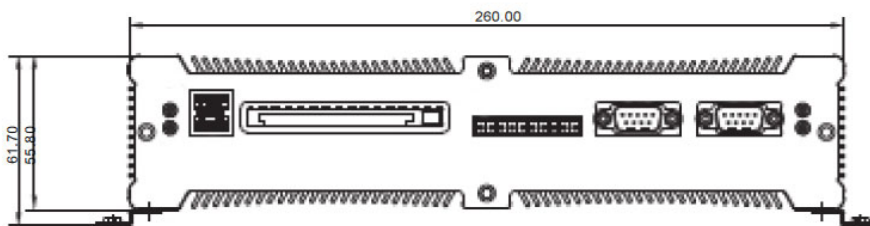
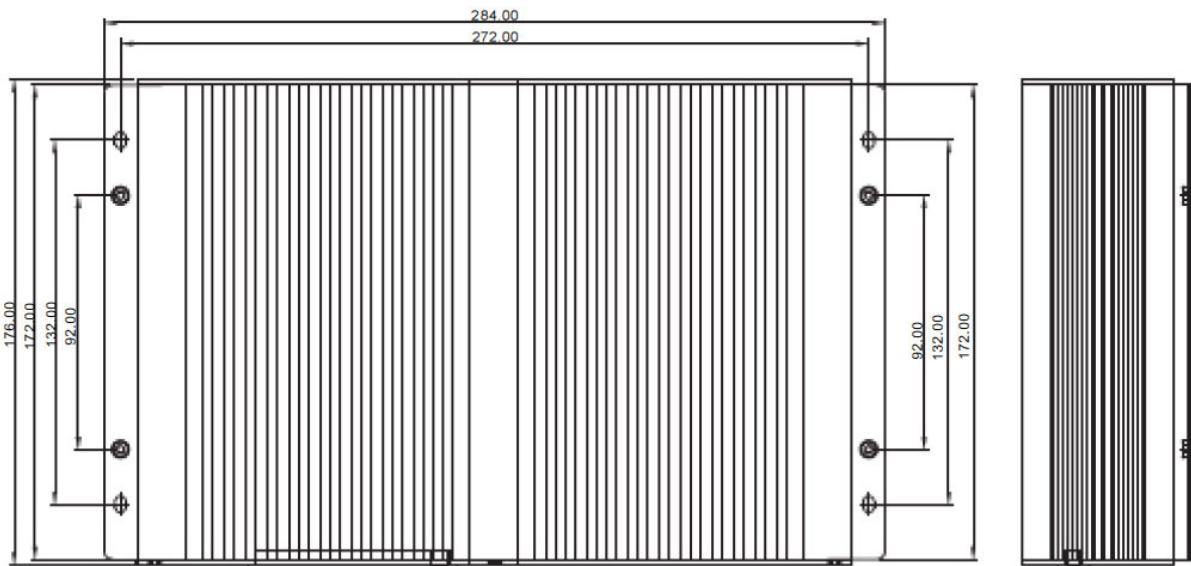
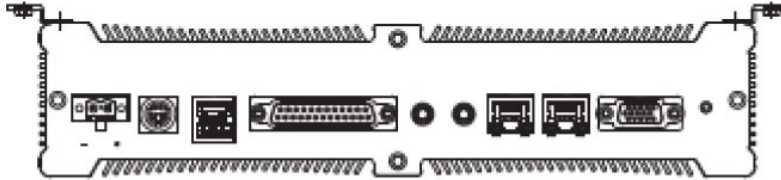
- CE approval
- FCC Class A

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Dimension Drawing



Ordering Information

PKBX5201 Fanless Box-PC 3220-LX8-M256
 AMD GEODE LX800,500MHz CPU,256MB RAM,2x LAN