NISE 3110P2

Intel® Core™ 2 Duo, Core™ Duo, Celeron® M
Fan-less System with 2 x PCI Expansion Slots

Main Features

- Support Intel® Core™ 2 Duo / Core™ Duo/ Celeron® M Processors
- Intel® 945GME Chipsets
- Dual 1000/100/10Mbps LAN ports
- 6 x USB2.0/ VGA / DVI

- 3 x RS232 and 1 x RS232/422/485 via DB44 Connector
- On-board DC to DC power design to support +12V to 30VDC power input
- Support ATX power supply and PXE / WOL
- Two PCI Expansion Slots

Product Overview

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

For data storage, the NISE 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 V DC to 30 V DC. Housed in a compact 195 mm x 268 mm x 107 mm heavy-duty aluminum chassis, the NISE 3110P2 is designed for reliable, maintenance-free industrial computing. The NISE 3110P2 fan-less computer offers a cost-effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, and POS systems.

Specifications

Main Board

- EBC 576FL
- Support Intel® Core™ 2 Duo, Core™ Duo, Celeron® M family processors
- Support 533/667 MHz 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

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

Expansion

- Supports 2 x 32-bit/ 33MHz PCI card
- PCI Length support:
  Max. 160 mm x 1 and 240 mm x 1 (With 2.5" HDD installed)
  Max. 240 mm x 2 (Without 2.5" HDD installed)
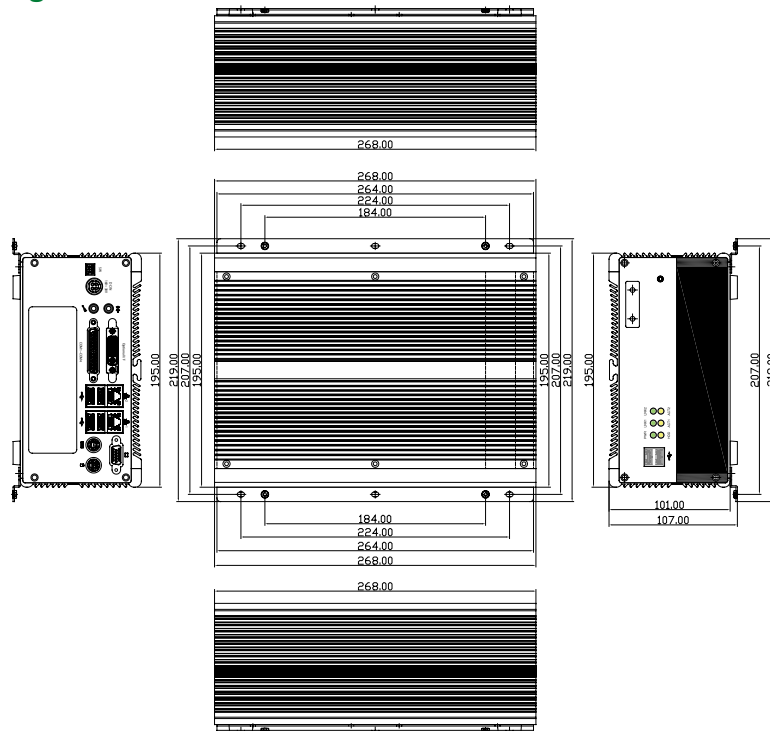
I/O Interface-Front

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

I/O Interface-Rear

- 2 x PS/2 connectors (KB/MS)
- 1 x DB15 VGA connector
- 4 x USB 2.0 ports
- 2 x GbE LAN Ports
- 4 x Serial Ports, with 1x DB44 connector (Three ports support RS232; One port supports RS232/422/485)
- 1 x DVI-D interface

Dimension Drawing

- 1 x Mic-in and 1 x Speaker-out
- 1 x 2-pin connector output for remote power on/off switch
- DC-in power connector for +12V ~+30V DC power input

Device

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

Power Requirements

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

Dimensions

- 195 mm (W) x 268 mm (D) x 101 mm (H) (7.7" x 10.5" x 3.98")

Construction

- Aluminum chassis with fan-less design

Environment

- Operating temperature:
  Ambient with air flow: -5°C ~ 55°C
  (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% to 93% (Non-Condensing)

Certifications

- CE approval
- FCC Class A

Ordering Information

- **Barebone**
  NISE 3110P2 (P/N: 10J00311003X0)
  Intel® Core™ 2 Duo, Core™ Duo, Celeron® M Fan-less Bare-Bone System, with two PCI Expansion Slots