NISE 3110P2

Intel® Core™ 2 Duo, Core™ Duo, Celeron® M
Fanless 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 30V DC power input
- Support ATX power supply and PXE / WoL
- Two PCI Expansion Slots

Product Overview

Featuring Intel® 945GME & ICH7-M chipsets, the NISE 3110P2 fanless PC supports Intel's Core™ 2 Duo/Celeron® M processor with 533/667 MHz FSB and DDR2 667/533 memory. The rugged NISE 3110P2 fanless PC 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 fanless PC 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 (10W max./ per slot)
- PCI card:
  Max. 160 mm x 1 and 240 mm x 1 in length (With 2.5" HDD installed)
  Max. 240 mm x 2 in length (Without 2.5" HDD installed)

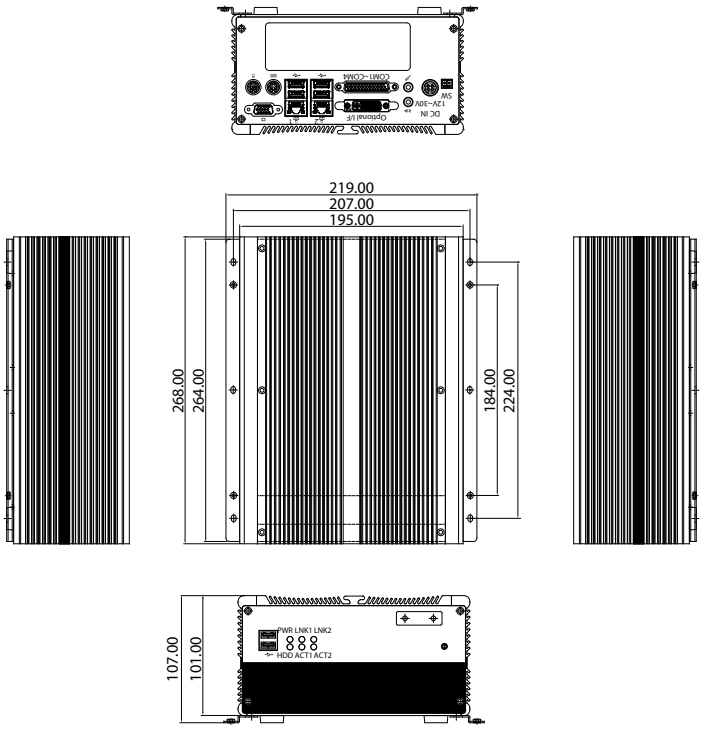
I/O Interface-Front

- 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
- 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

Dimension Drawing



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

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

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

Construction
- Aluminum chassis with fanless 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)
- Shock protection: 20G, half sine, 11ms, IEC60068-2-27
- Vibration protection
  Random: 0.5Grms @5~500 Hz according to IEC68-2-64
  Sinusoidal: 0.5Grms @5~500 Hz according to IEC68-2-6

Certifications
- CE approval
- FCC Class A

Ordering Information

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