

NISE 3110

Intel® Core 2 Duo, Core Duo, Celeron® M
Fanless System with 1 PCI Expansion Slot



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/ 4 x SIO
- ◆ One PCI Expansion Slot

Product Overview

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

For data storage, the NISE 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 V DC to 30 V DC.

Housed in a compact 195 mm x 268 mm x 80 mm heavy-duty aluminum chassis, the NISE 3110 is designed for reliable, maintenance-free industrial computing. The NISE 3110 fan-less box 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 576
- Support Intel® Core 2 Duo, Core Duo, Celeron® M family processors with 533/667 MHz
- Intel® Embedded Processor Reference List (Intel® Longevity CPU):
 - Core 2 Duo Processor (T7400) 2.16 G
 - Core Duo Processor (T2500) 2.0G
 - Celeron® M 530 1.73G
 - Celeron® M 440 1.86G

Main Memory

- Intel® 945GME Graphics Memory Controller Hub (GMCH)
- Intel® 82801 GBM ICH7 Mobile digital Home (ICH7-M)

Main Memory

- 2 x 240 pin DDR2 533/667 DIMM sockets, up to 2 GB unbuffered non-ECC DDR SDRAM (Max. 3G Capacity supported)

Expansion Slot

- Supports one 32-bit/ 33MHz PCI card
- PCI Length support:
 - 160 mm (When 2.5" HDD installed)
 - 240 mm (When no HDD is 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

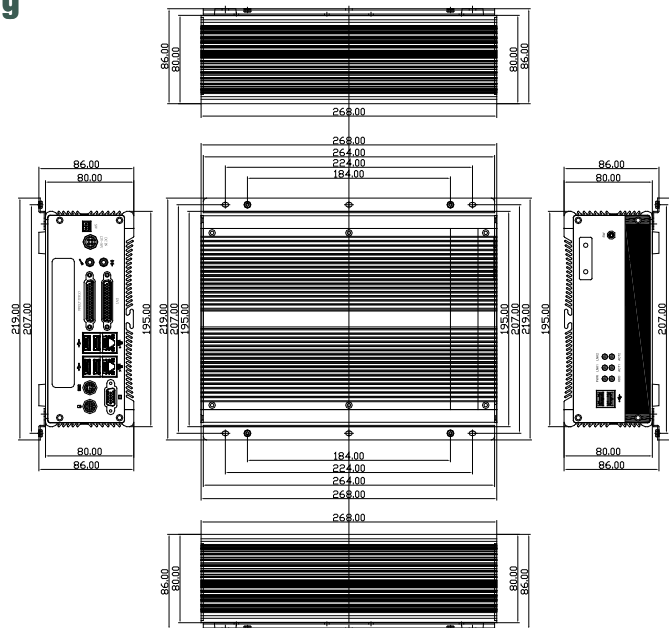
I/O Interface-Rear

- 2 x PS/2 connectors (KB/MS)
- 1 x 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 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

Device

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

Dimension Drawing



Power Input

- DC to DC power designed for on-board support of 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 80 mm (H) (7.6" x 10.5" x 3.1")

Construction

- Aluminum chassis with fan-less design

Environment

- Operating temperature:
Ambient with air flow : 0°C to 40°C
- NISE 3110 Tcase (Surface Temperature of Chassis)
5°C to 50°C (W/HDD)
-10°C to 55°C (W/CF card only)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certifications

- CE approval
- FCC

Ordering Information

Barebone

NISE 3110 (P/N: 10J00311000X0)

Intel® Core 2 Duo, Core Duo, Celeron® M Fanless Bare-Bone System, with one PCI expansion slot