

NISE 3110

Intel® Core™ 2 Duo, Core Duo, Celeron® M Fan-less System with 1 x 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
- ♦ 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 mode and PXE / WOL
- ♦ One PCI Expansion Slot

Product Overview

Featuring Intel® 945GME & ICH7-M chipsets, the NISE 3110 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 3110 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 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 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 one 32-bit/ 33MHz PCI card
- ♦ PCI Length support:
Max. 160mm with 2.5" HDD installed
Max. 240mm without 2.5" HDD installed

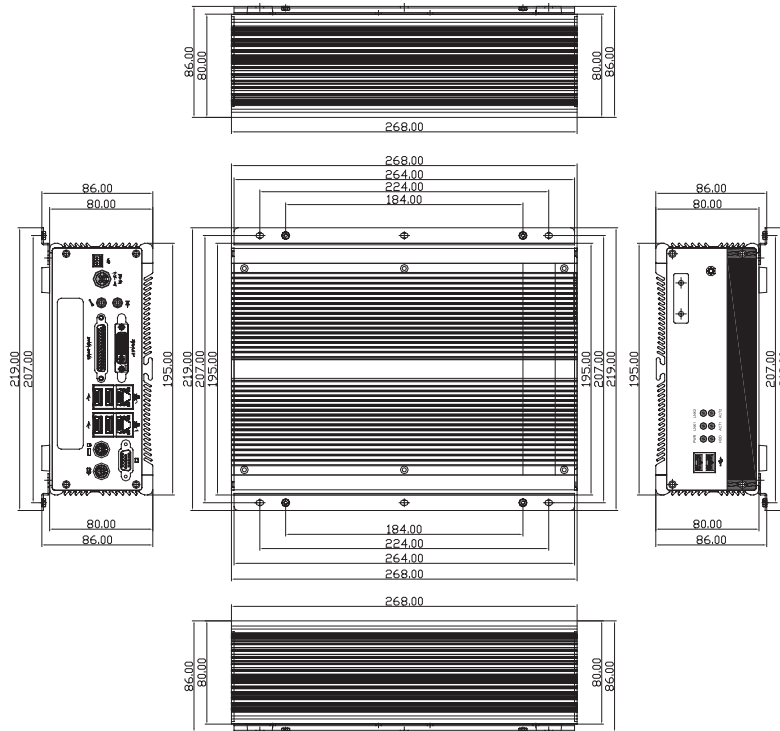
I/O Interface-Front

- ♦ 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 Keyboard/Mouse
- ♦ 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

Dimension Drawing



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

Power Requirements

- DC to DC power on-board to support 12 to 30 VDC (Max: 120 Watts)
- 1 x External 120 W AC adapter (lockable)
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: -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

Ordering Information

• Barebone

NISE 3110 (P/N: 10J00311000X0)

Intel® Core™ 2 Duo, Core Duo, Celeron® M Fan-less Bare-Bone System, with one PCI Expansion Slot

• w/Core™ 2 Duo 1.5 GHz 4M L2 (BGA)

NISE 3110-L74 (P/N: 10J00311005X0)

Intel® Core™ 2 Duo 1.5 GHz CPU W/4M L2 Fan-less System

1 x PCI Expansion Slot