

NISE 3100e

Intel® Pentium® M/Celeron® M Fan-less System
with 1x PCI Expansion Slot



Main Features

- ♦ Support Intel® Pentium® M/ Celeron® M Processors
- ♦ Intel® 910GML chipsets
- ♦ Dual 10/100/1000 LAN Ports
- ♦ USB2.0/VGA/DVI Interface
- ♦ 3x RS232 and 1x RS232/422/485 via DB44 Connector
- ♦ On-board DC to DC Power Designed to Support +16 - 30 VDC Power Input
- ♦ Supports ATX Power Mode and PXE/WOL
- ♦ One PCI Expansion Slot

Product Overview

Featuring Intel® 910GML & ICH6M chipsets, the NISE 3100e fan-less computer supports Intel's Pentium® M/ Celeron® M processor with 400 MHz FSB and DDR2 400 memory up to 2 GB.

The rugged NISE 3100e fan-less computer is designed for space-critical application requires extreme reliability, low-power consumption and versatile I/O configuration. With one PCI-Expansion Slot, the versatile NISE 3100e fan-less computer offers a wide connection option of I/O ports located at both the front and the rear of the unit. For added flexibility, the NISE 3100e also boasts three RS232 ports, one RS232/422/485 port and one PCI Expansion Slot. For data storage, the NISE 3100e provides one CompactFlash socket and one 2.5" HDD drive bay. The system supports ATX power supply and can accept a wide range of power supplies from 16 to 30 VDC.

Housed in a compact 195 mm x 268 mm x 80 mm heavy-duty aluminum chassis, the NISE 3100e is designed for reliable, maintenance-free industrial computing. The NISE 3100e fan-less computer offers a cost-effective solution for a multitude of mission-critical embedded computing applications in automation, machine control, self-service and POS systems.

Specifications

Main Board

- ♦ NISB3100
- ♦ Support Intel® Pentium® M/ Celeron® M processors
- ♦ Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M
- ♦ Supports 400 MHz FSB CPUs only
- ♦ Intel® 910GML and ICH6M chipsets

Main Memory

- ♦ 2x 240-pin DDR2 DIMM socket, up to 2GB un-buffered non-ECC DDR2 400 SDRAM module

Expansion

- ♦ Supports one 32-bit/33 MHz PCI card
- ♦ PCI length support: Max. 169mm with HDD installed

I/O Interface-Front

- ♦ Optional customized logo
- ♦ HDD Access/Power/LAN status LEDs
- ♦ 2x USB2.0 ports
- ♦ ATX Power on/off switch

I/O Interface-Rear

- ♦ 1x PS/2 Keyboard/ Mouse
- ♦ 4x USB2.0 ports/ 4x Serial port
- ♦ 1x Audio Mic-in and 1x Speaker-out
- ♦ 1x DVI interface
- ♦ 2x 10/100/1000 LAN
- ♦ 1x VGA connector
- ♦ 16 ~ 30V DC power input
- ♦ 1x 2-pin connector output for remote power on/off switch

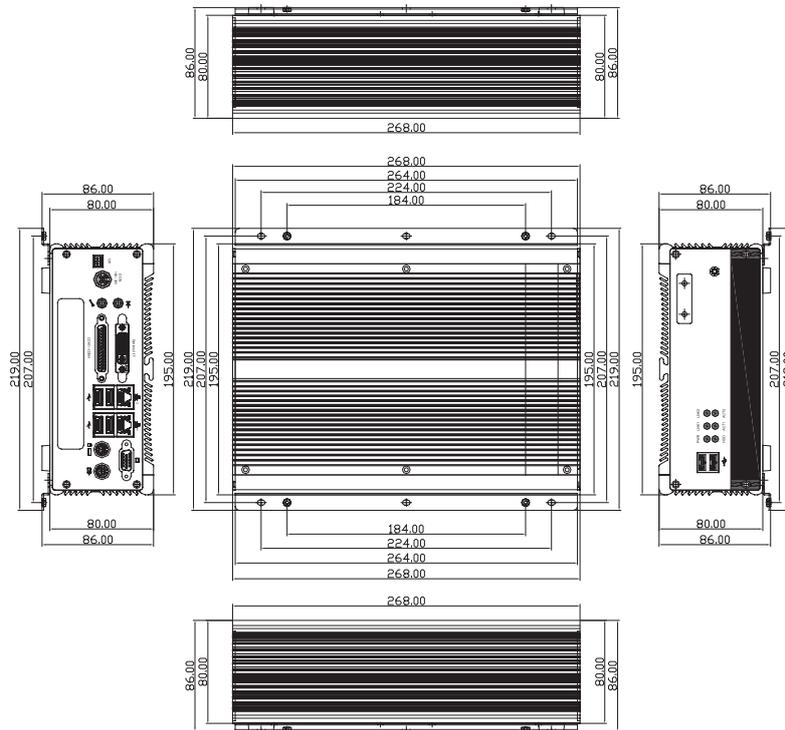
Device

- ♦ 1x On-board Internal Compact Flash socket
- ♦ 1x Internal 2.5" SATA HDD driver bay

Power Requirements

- ♦ DC to DC power on-board to support of 16 V to 30 VDC (Max: 120 Watts) input
- ♦ 1 x Optional 120 W AC adapter (lockable)
Power input: 100 to 240 V AC 2 A 50/60 Hz
Power output: 19 VDC

Dimension Drawing



Dimensions

- 195mm (W) x 268mm (D) x 80mm (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, IEC60068-2-14)
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% to 93% (Non-Condensing)

Certifications

- CE approval
- FCC

Ordering Information

• Barebone

NISE 3100e (P/N: 10J00310027X0)

Intel® Pentium® M/ Celeron® M Fan-less Bare-Bone System
1 x PCI Expansion Slot

Optional

- 19 V, 120 W AC/DC Power Adapter W/O Power Cord (P/N: 7410120002X00)