NISE 3100

Main Features

- Supports Intel® Pentium® M/Celeron® M Processors with 400 MHz FSB
- Intel® 852GM Chipset
- Dual 10/100 Ethernet LAN Ports
- USB 2.0 /VGA/DVI/TV-Out Interface

- 3 x RS232 and 1 x RS232/422/485 via DB44 Connector
- On-board DC to DC Power Designed to Support +12 to +30 VDC Power Input
- Supports ATX Power Mode and PXE/WOL
- One PCI Expansion Slot

Product Overview

Featuring Intel® 852GM & ICH4 chipsets, the NISE 3100 fan-less computer supports Intel's Pentium® M/Celeron® M processor with 400 MHz FSB and DDR 200/266 memory up to 2 GB. The rugged NISE 3100 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 3100 fan-less computer offers a wide connection options of I/O ports located at both the front and the rear of the unit. For added flexibility, the NISE 3100 also boasts three RS232 ports, one RS232/422/485 port and one PCI expansion slot. For data storage, the NISE 3100 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 12 to 30 VDC.

Housed in a compact 195 mm x 268 mm x 80 mm heavy-duty aluminum chassis, the NISE 3100 is designed for reliable, maintenance-free industrial computing.

The NISE 3100 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 573FL (LF)
- Support Intel® Pentium® M processors in 478-pin, Micro-FCPGA package from 1.6 to 1.8 GHz with 1 MB or 2 MB L2 cache
- Support Intel® Celeron® M processors in 478-pin, Micro-FCPGA package from 1.3 to 1.5 GHz with 512 KB or 1 MB L2 cache
- Supports Low Voltage and Ultra Low Voltage Intel® Pentium® M or Celeron® M processors in 479-ball, Micro-FCBGA package
- Supports 400 MHz FSB CPUs only
- Intel® 852GM and ICH4 chipset

Main Memory

- 2 x 184-pin DDR 200/266 DIMM sockets, up to 2 GB unbuffered non-ECC DDR SDRAM

Expansion Slot

- Supports one 32-bit/33 MHz PCI Card
- PCI Length support:
  Max. 160mm with HDD installed
  Max. 240mm without HDD installed
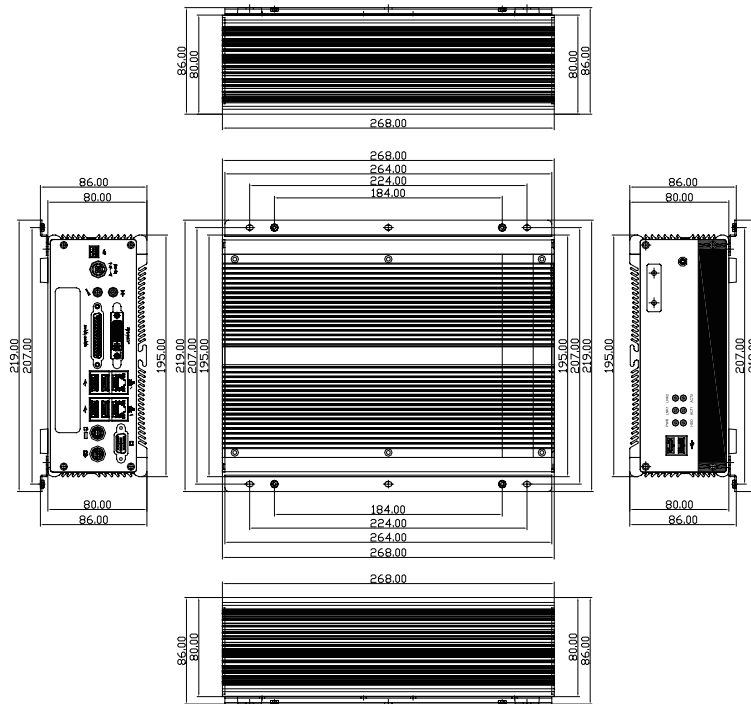
I/O Interface-Front

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

I/O Interface-Rear

- 1 x PS/2 Keyboard/Mouse
- 4 x USB 2.0 ports
- 4 x Serial ports
- 1 x Audio Mic-in and 1x Speaker-out
- 1 x DVI interface
- 2 x 10/100 Ethernet LAN
- 1 x VGA connector
- 1 x S-Video TV-Out
- 1 x DC power input
- 1 x 2-pin connector output for remote power on/off switch

Dimension Drawing

Device

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

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 (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 3100(LF) (P/N: 10J00310000X0) RoHS Compliant
  Intel® Pentium® M Celeron® M Fan-less Bare-Bone System
  1 x PCI Expansion Slot
- **w/Celeron® M 1.5 GHz**
  NISE 3100(LF)-370 (P/N: 10J00310008X0) RoHS Compliant
  Intel® Celeron® M 1.5 GHz CPU / 852GM Fan-less System
  1 x PCI Expansion Slot
- **w/Pentium® M 1.6 GHz**
  NISE 3100(LF)-160 (P/N: 10J00310006X0) RoHS Compliant
  Intel® Pentium® M 1.6 GHz CPU / 852GM Fan-less System
  1 x PCI Expansion Slot
- **w/ Celeron® M 600 MHz, 512K L2 (BGA)**
  NISE 3100(LF)-C65 (P/N: 10J00310001X0) RoHS Compliant
  Intel® Celeron® M 600 MHz CPU w/512KB L2 Fan-less System
  1 x PCI Expansion Slot

NEXCOM   **Fan-less Computer**

We reserve the right to change specifications and product descriptions at any time without prior notice.   Last update: Jan-25-2008