



Main Features

- On-board Intel® Atom™ N270 Processor, 1.6GHz
- Intel® 945GSE chipsets
- Single 10/100/1000 Mbps LAN ports
- 2 x USB2.0/DVI-I/Keyboard & Mouse Interface
- 1 x RS232/422/485 and 2 x RS232
- Support +12V DC Power Input
- Supports ATX Power Mode

Product Overview

NISE 100, a tiny fanless industrial computing housed in a size of 185mm/W x 132mm/D x 50mm/H, makes it a perfect match for space critical applications. Designed with Intel® Atom™-based N270 1.6GHZ processor and 945GSE embedded chipset, NISE 100 is an energy-efficient solution in a lightweight system, featuring both performance and reliability in industrial grade non-stop system operating.

The NISE 100 supports two RS232, one RS232/422/485, one 10/100/1000 LAN port, two USB ports, one PS/2 for keyboard/mouse, and one DVI-I for VGA and DVI-D display in demand. With 12V DC input, NISE 100 is easy to link with DC power source or through AC/DC power adapter. Taking the low power consumption advantage, NISE 100 is a fanless EZ Controller, nice device to work in harsh and quiet environment. With the dimension and performance features, NISE 100 is an idea for gate control, public information, self-service system, POS, Kiosk, low-power budget devices, LED signage and logistic system applications.

Specifications

CPU Support

- On-board Intel® Atom™ N270 processor, 1.6GHz, 667MHz FSB
- Intel® 945GSE and ICH7M chipsets

Main Memory

- 1 x DDR2 SO-DIMM sockets, single channel, support up to 2GB DDR2 400/533 SDRAM, un-buffered,non-ECC

I/O Interface-Front

- HDD Access/Power status LEDs
- 2 x RS232
- ATX Power on/off switch

I/O Interface-Rear

- 1 x DVI-I
- 1 x PS/2 Keyboard & Mouse
- 1 x RS232/422/485
- 1 x 10/100/1000 LAN port
- 2 x USB2.0 port
- +12V DC power input

Power Requirements

- Support of +12V DC input
- 1 x External 60W AC/DC lockable power adapter
 - Power input : 100 to 240V AC 2A 50/60Hz
 - Power output: 12V DC

Dimensions

- 185mm (W) x 132mm (D) x 50mm (H) (7.28" x 5.2" x 1.97")

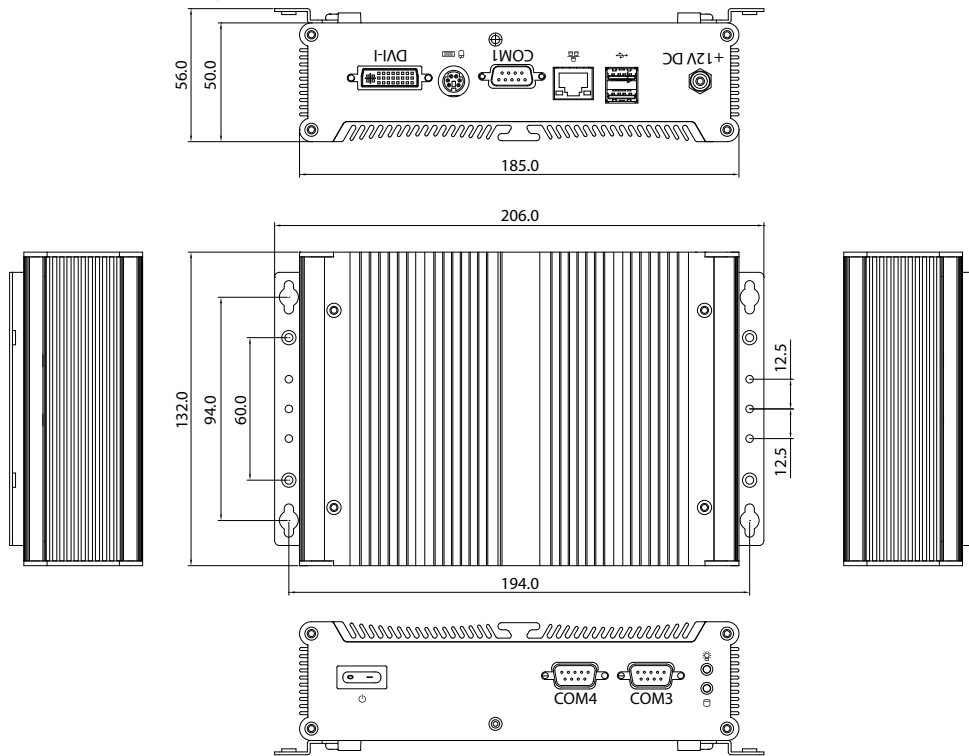
Construction

- 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

Dimension Drawing



- 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 100 (P/N: 10J00010000X0)**
Intel® Atom™ N270 Fanless System