



Main Features

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

Product Overview

NISE 100, a tiny fan-less 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 fan-less EzController, 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, 533MHz FSB
- ♦ Intel® 945GSE and ICH7M chipsets

Main Memory

- ♦ 1x 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
- ♦ 2x RS232
- ♦ ATX Power on/off switch

I/O Interface-Rear

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

Power Requirements

- ♦ DC to DC power designed for on-board support of +12V DC
- ♦ 1x 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")

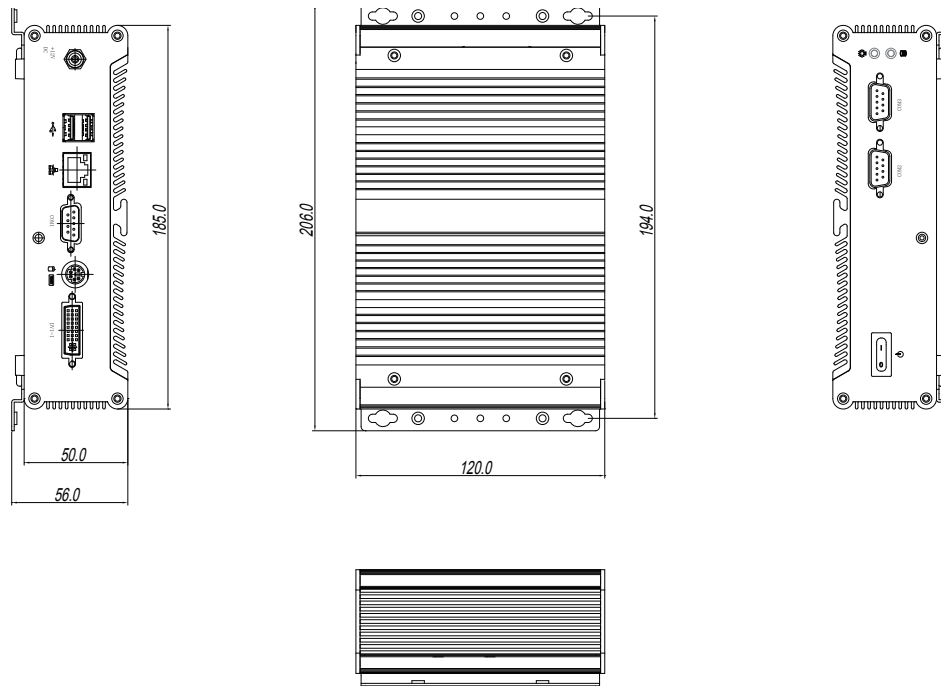
Construction

- ♦ Aluminum chassis with 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)

Dimension Drawing



Certifications

- CE approval
- FCC

Ordering Information

- ♦ Barebone
NISE100-M01G-S80G (P/N: 10J00010000X0)
Intel® Atom™ N270 Fan-less System with 1G memory and 80G HDD installed