NISE 101

Main Features

- On-board Intel® Atom™ N270 Processor, 1.6GHz
- Intel® 945GSE chipsets
- Dual 10/100/1000 Mbps LAN ports
- 2 x USB2.0/VGA/DVI-D/1 x PS/2

- 1 x RS232/422/485 and 1 x RS232
- On-board DC to DC Power Designed to Support +12V DC Power Input
- Supports ATX Power Mode

Product Overview

NISE 101, a tiny fan-less industrial computing housed in a size of 185mm/W x 132mm/D x 54mm/H, makes it a perfect match for space critical applications. Designed with Intel® Atom™-based N270 1.6GHZ processor and 945GSE embedded chipset, NISE 101 is an energy-efficient solution in a lightweight system, featuring both performance and reliability in industrial grade non-stop system operating.

The NISE 101 supports one RS232, one RS232/422/485, two 10/100/1000 LAN port, two USB ports, one PS/2 for keyboard/mouse, one VGA and one DVI-D display in demand. With 12V DC input, NISE 101 is easy to link with DC power source or through AC/DC power adapter. Taking the low power consumption advantage, NISE 101 is a fan-less EzController, nice device to work in harsh and quiet environment. With the dimension and performance features, NISE 101 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

- ATX Power on/off switch
- 1 x RS232/422/485
- 1 x PS/2 for keyboard and mouse
- 1 x DVI-D
- 1 x Speaker-out
- 1 x Mic-in

I/O Interface-Rear

- 1 x RS232
- 1 x DB15 VGA
- 2 x 10/100/1000 Intel® LAN port
- 2 x USB2.0 port
- +12V DC power input
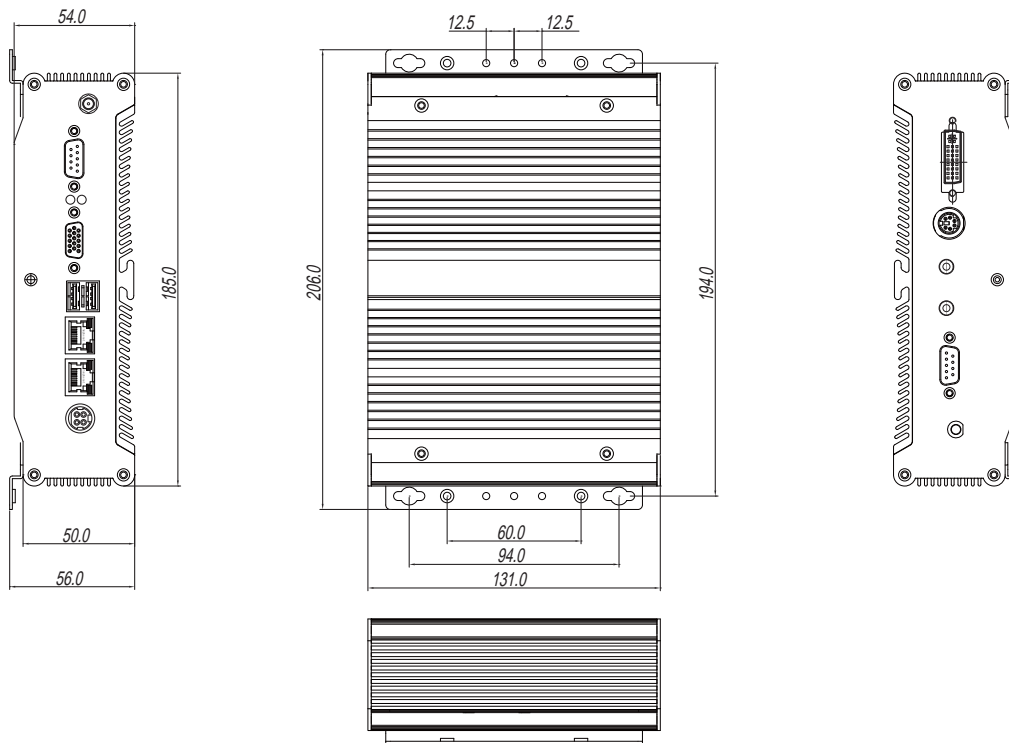- HDD Access/Power status LEDs
- 1 x Antenna hole

Device

- 1 x 2.5" HDD drive bay
- 1 x internal CF card socket
- 1 x Mini-PCIe socket

Power Requirements

- DC to DC power designed for on-board support of +12V DC
- Optional external 60W AC/DC lockable power adapter
  Power input : 100 to 240V AC 2A 50/60Hz
  Power output: 12V DC

Dimension Drawing

Dimensions
- 185mm (W) x 132mm (D) x 54mm (H) (7.28" x 5.2" x 2.13")

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 Class A

Ordering Information
- **Barebone**
  NISE 101 (P/N: 10J00010100x0)
  Intel® Atom™ N270 Fan-less System

- **12V, 60W AC/DC power adapter w/o power cord**
  (P/N: 7400060009X00)