NISE 2000

Main Features

- On-board Intel® Atom™ N270 Processor, 1.6GHz
- Intel® 945GSE chipsets
- Dual 1000/100/10 Mbps LAN ports
- 4 x USB2.0/VGA
- 2 x RS232 and 2 x RS232/422/485

- On-board DC to DC power design to support 16V to 30V DC input
- Support ATX power mode and PXE/ WOL
- One Mini-PCIe Socket
- One External CF Socket

Product Overview

Measuring a mear 195mm x 200mm x 65mm, NISE 2000, a Intel® Atom™ N270 1.6G system, is designed for ultra-slim system housed in a comopact fanless design chassis with perfect thermal solution. Its unique fan-less design eliminates concerns about dust accumulation, and greatly reduces the maintenance cost. NISE 2000 is a perfect solution to maintain reliable operation over long periods of time in harsh environments. The NISE 2000 Series features an on-board 1.6 GHz Intel® Atom™ N270 processor with 945GSE chipset. The entire system consumes less than 25 watts power consumption making the operating both energy-efficient and cost effective. Coupled with its four serial ports (two support RS422/485 with auto-flow control feature), dual 10/100/1000 LAN ports, four USB ports and one external CF socket, the NISE 2000 Series is also equipped with one mini-PCIe Socket for expansion needs. Wide range of DC input still remain in NISE 2000 series from 16~30V DC input. The compact aluminum enclosure of the NISE 2000 ensures continuing operation even in space-critical applications. Taking the advantage of lower power consumption in a long product life cycle support, NISE 2000 is an perfect solution for those applications in retail automation, self-service Kiosk, health care automation, industrial process control, battery-operated devices, media servers, gaming machines and VoIP.

Specifications

Main Board
- NISB2001
- On-board Intel® Atom™ N270 processor, 1.6GHz, 533MHz FSB

Chipset
- Intel® 945GSE
- Intel® ICH7M

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

Expansion
- One Mini-PCIe socket

I/O Interface-Front
- ATX Power on/off switch
- HDD Access/ Power status LEDs
- 2 x USB2.0 ports
- 4 x Serial port (COM3 & COM4 screw terminal support RS232/422/485, auto-flow control)

I/O Interface-Rear
- 16 ~ 30V DC input
- 1 x PS/2 Keyboard/Mouse
- 1 x DB15 VGA connector
- 2 x Gbe LAN ports
- 1 x Speaker out
- 2 x USB2.0 ports
- One antenna hole for optional Mini-PCIe WiFi module

Storage
- 1 x 2.5" SATA HDD drive bay
- One external CF socket
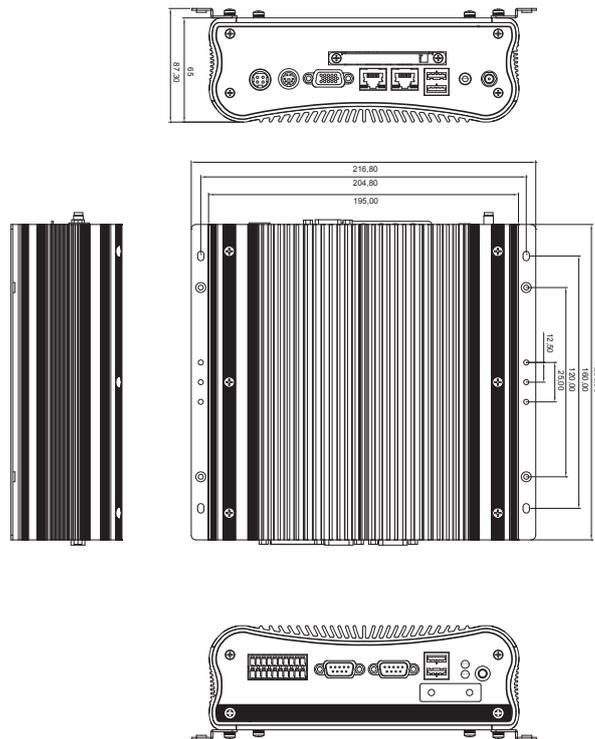- Support one optional USB DOM (2.54mm, Horizontal type)

Power Requirements
- ATX Power mode
- On-board DC to DC power support 16V to 30VDC
- Optional 19V, 65W AC/DC Power adapter

Dimensions
- 195 mm (W) x 200 mm (D) x 65 mm (H)

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Dimension Drawing

Construction

• Aluminum Chassis with fan-less design

Environment

• Operating temperature:
  Ambient with air flow: -5°C to 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 2000 (P/N:10J00200000X0)
  Intel® Atom™ N270 Fan-less Bare-Bone System
• **AC/DC Power adapter (P/N:7400065006X00)**
  19V, 65W (Optional)