

NISE 2300

Intel® Atom™ Dual Core D2550 1.86 GHz Fanless System
with 4x LAN ports, 6x USB 2.0 and wide operating temperature



Main Features

- On-board Intel® Atom™ Dual Core D2550 processor 1.86 GHz
- Intel® 82801JIR ICH10 RAID
- 1x DVI-I & 1x DVI-D display output
- 4x Intel® 82574IT GbE LAN ports
- 4x COM ports: 2x RS-232/422/485 w/ isolation protection; 2x RS-232/422/485 w/o isolation protection
- 1x DB15 GPIO connector
- 6x USB2.0; 1x external CFast socket; 1x SIM card socket
- 1x internal mini-PCIe with two antenna holes
- Support 9-36V DC input
- Support ATX power mode, WoL, LAN teaming and PXE function

Product Overview

Powered by Intel® Atom™ Dual Core D2550 CPU, NISE 2300 series is another utilized within industrial automation, self-service machines like KIOSK checkin machines, recycling machines as well as factory automation and etc. NISE 2300 series follows NISE guideline with fanless and cables-less concept. Per customer's demand, NISE 2300 series designed with 4x LAN ports; WoL and LAN teaming functions are basic demands here. Other than above, NISE 2300 series also provide 6x USB2.0, dual independent display and super graphic performance for variety needs. NISE 2300 series support a wide range DC input from 9V-36V enhances its reliability in different power condition in any demand.

Specifications

CPU Support

- On-board Intel® Atom™ Dual Core D2550 processor, 1.86GHz, 1M L2 cache
- Intel® 82801JIR ICH10 RAID

Main Memory

- 2x DDR3 SO-DIMM sockets, support up to 4G DDR3-800/1066/1333MHz SDRAM, un-buffered and non-ECC

I/O Interface-Front

- ATX Power on/off switch
- HDD access/ power status LEDs
- 2x RS-232/422/485 w/ isolation protection
- 2x USB2.0
- 1x DB15 GPIO connector
- Audio Jack (line-out & mic-in)
- SIM card socket
- CFast socket
- 2x antenna holes

I/O Interface-Rear

- 1x 2-pin DC input, Support 9-36V DC input
- 1x DVI-I
- 1x DVI-D

- 4x Intel® 82574IT GbE LAN ports
- 4x USB2.0
- 2x RS-232/422/485

Device

- 1x 2.5" SATA HDD driver bay
- 1x External CFast socket
- 1x External SIM card socket
- 1x Internal mini-PCIe socket (optional WiFi or 3.5G module, auto detection)

Power Requirements

- Support 9-36V DV input
- Optional 19V, 65W power adapter

Dimensions

- 195mm (W) x 200mm (D) x 65mm (H) (7.7" x 7.9" x 2.6")

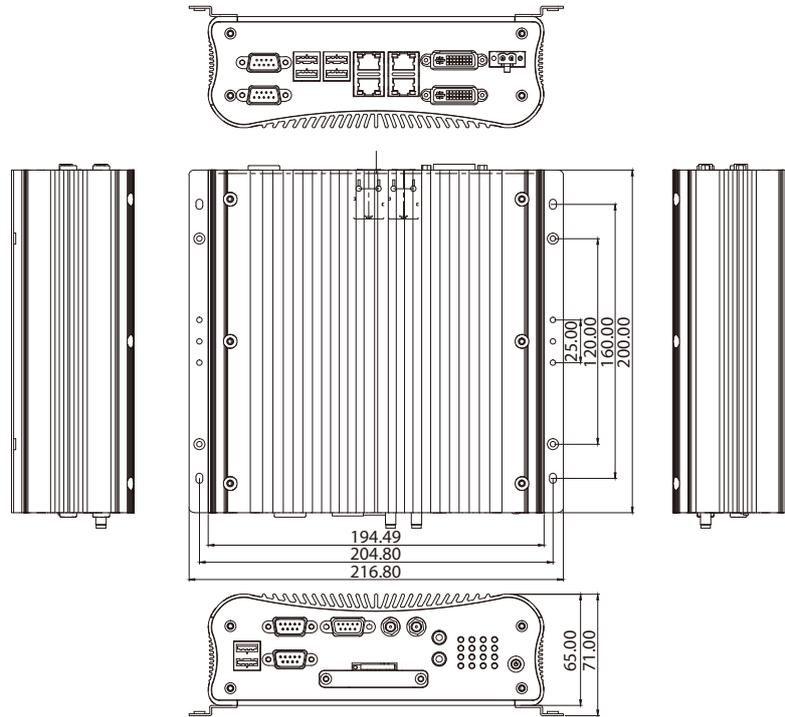
Construction

- Aluminum Chassis with fanless design

Environment

- Operating temperature:
Ambient with air flow: -20°C to 70°C
- Storage temperature: -20°C to 85°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 IEC60068-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz according to IEC60068-2-6

Certifications (plan)

- CE approval
- FCC Class A

Ordering Information

Barebone

- **NISE2300 (P/N: 10J00230000X0)**
Intel® Atom™ Dual Core D2550 fanless system
- **19V 65W AC/DC power adapter w/o power cord (P/N: 7400065009X00)**

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D2

D3

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D6

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D11