

NISE 2310/2310E Intel® Atom™ Dual Core D2550 1.86 GHz Fanless System w/ 4x LAN Ports, 4x COM Ports and One PCI/PCIe Expansion



Main Features

- OnBoard 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; Support WoL, teaming and PXE
- 4x RS232/422/485
- 4x GPI & 4x GPO
- 6x USB2.0; 1x external CFast socket; 1x SIM card socket
- 1x internal Mini-PCIe with two antenna holes
- Support +9V to 36VDC input; Support ATX power mode
- 1x PCI or PCIe expansion

Product Overview

Powered by Intel® Atom™ Dual Core D2550 Processor, NISE 2310/2310E is another utilized within industrial automation. It is designed with wide operating temperature and can be operated in rough environment. NISE 2310/2310E follows NISE guideline with fanless and cables-less concept. NISE 2310/2310E designed with 4x LAN ports; Support WoL and LAN teaming and PXE functions. Other than above, NISE 2310/2310E also provide 6x USB2.0, dual independent display and super graphic performance for variety needs and one PCI or PCIe x1 expansion is available. NISE 2310/2310E series support a wide range DC input from +9V to 36V enhances its reliability in different power condition in any demand.

Specifications

CPU Support

- OnBoard 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 DB9, RS232/422/485 w/ 2.5KV isolation protection
- 2x USB2.0
- 4x GPO & 4x GPI
- 1x Mic-in and 1x Line-out
- SIM card socket
- CFast socket
- 2x antenna holes

I/O Interface-Rear

- 1x 2-pin DC input, Support +9 to 36VDC input
- 1x DVI-I
- 1x DVI-D

- 4x Intel® 82574IT GbE LAN ports; Support WoL, teaming and PXE
- 4x USB2.0
- 2x DB9, RS232/422/485

Device

- 1x 2.5" SATA HDD driver bay
- 1x External CFast socket
- 1x External SIM card socket
- 1x internal Mini-PCIe socket
(Support optional WiFi or 3.5G wireless module, jumper free)

Expansion

- NISE 2310: One PCI Expansion
Add-on card length: 176mm max.
Power consumption: 10W/slot max.
- NISE 2310E: One PCIe x1 Expansion
Add-on card length: 176mm max.
Power consumption: 10W/slot max.

Power Requirements

- Support +9V to 36VDC input; Support ATX power mode

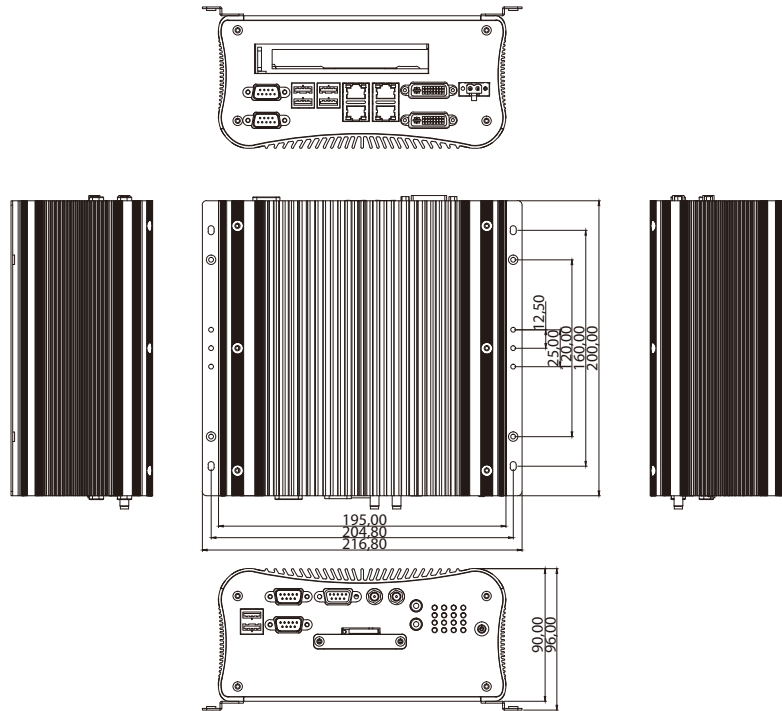
Dimensions

- 195mm (W) x 200mm (D) x 90mm (H) (7.7" x 7.9" x 3.6")

Construction

- Aluminum Chassis with fanless design

Dimension Drawing



Environment

- Operating temperature:
Ambient with air flow: -20°C to 65°C
- Storage temperature: -30°C to 85°C
- Relative humidity: 10% to 93% (Non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-2-27
 - CFast: 40G, half sine, 11ms, IEC60068-2-27
- Vibration protection w/ HDD
 - Random: 0.5Grms @ 5~500 Hz according to IEC60068-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz according to IEC60068-2-6

Certifications

- CE approval
- FCC Class A

Ordering Information

Barebone

- **NISE2310 (P/N: 10J00231000X0)**
Intel® Atom™ Dual Core D2550 fanless system with
One PCI expansion
- **NISE2310E (P/N: 10J00231001X0)**
Intel® Atom™ Dual Core D2550 fanless system with
One PCIe1 expansion
- **19V 65W AC/DC power adapter w/o power cord
(P/N: 7400065009X00)**