



## Main Features

- OnBoard Intel® Atom™ Dual Core D2550 processor 1.86GHz
- Intel® 82801JIR ICH10 RAID
- 1 x DVI-I & 1 x DVI-D display output
- 4 x Intel® 82574IT GbE LAN ports; Support WoL, teaming and PXE
- 4 x RS232/422/485
- 4 x GPI & 4 x GPO
- 6 x USB 2.0; 1 x external CFast socket; 1 x SIM card socket
- 1 x internal Mini-PCIe with two antenna holes
- Support +9V to 36VDC input; Support ATX power mode

## Product Overview

Powered by Intel® Atom™ Dual Core D2550 Processor, NISE 2300 series is another utilized within industrial automation. It is designed with wide operating temperature and can be operated in rough environment. NISE 2300 series follows NISE guideline with fanless and cables-less concept. NISE 2300 series designed with 4 x LAN ports; Support WoL and LAN teaming and PXE functions. Other than above, NISE 2300 series also provide 6 x USB 2.0, dual independent display and super graphic performance for variety needs. NISE 2300 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

- 2 x DDR3 so-dimm socket, support up to 4G DDR3/DDR3L 1066/1333/1600 SDRAM, with un-buffered and non-ECC
- Pre-install 4G Industrial Grade Memory as the manufacture configuration for shipment

### Dual Independent Display Option

- DVI-D + VGA  
(P/N: 60233VGA50X00, 1.8M cable, from DVI-I to VGA male type)
- DVI-D + DVI-D

### I/O Interface-Front

- ATX Power on/off switch
- HDD access/power status LEDs
- 2 x DB9, RS232/422/485 w/ 2.5KV isolation protection
- 2 x USB 2.0
- 4 x GPO & 4 x GPI
- 1 x Mic-in and 1 x Line-out
- SIM card socket
- CFast socket
- 2 x antenna holes

### I/O Interface-Rear

- 1 x 2-pin DC input, Support +9V to 36VDC input
- 1 x DVI-I
- 1 x DVI-D
- 4 x Intel® 82574IT GbE LAN ports; Support WoL, teaming and PXE
- 4 x USB 2.0
- 2 x DB9, RS232/422/485

### Device

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

### Power Requirements

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

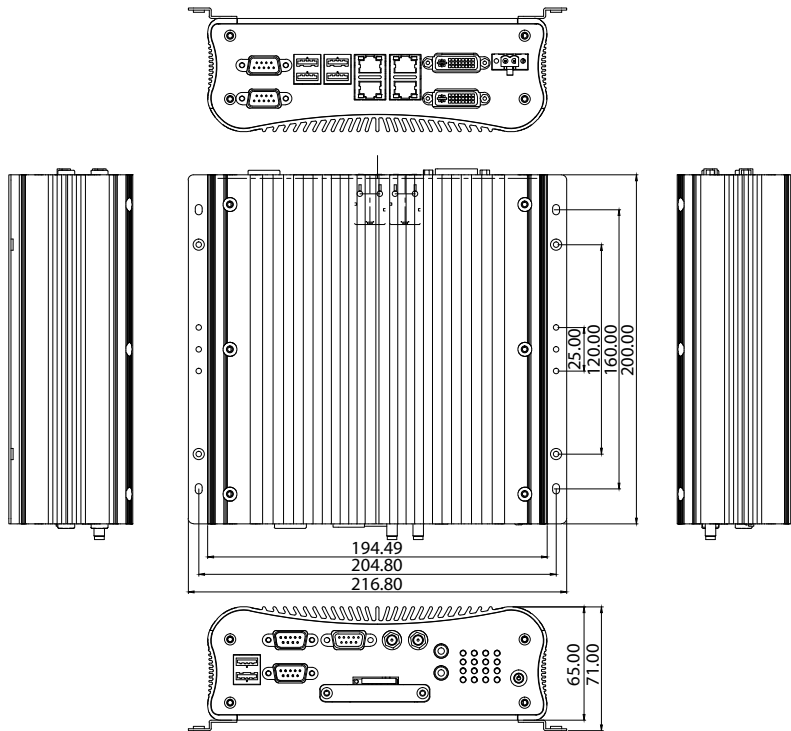
### Dimensions

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

### Construction

- Aluminum Chassis with fanless design

## Dimension Drawing



### Environment

- Operating temperature:  
Ambient with air flow: -20°C to 65°C with industrial grade device
- 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 Condition
  - Random: 0.5Grms @ 5 ~ 500Hz according to IEC60068-2-64
  - Sinusoidal: 0.5Grms @ 5 ~ 500Hz according to IEC60068-2-6

### Certifications

- CE approval
- FCC Class A

### OS Support List

- Windows XP 32bits
- Windows 7 32bits
- WinCE 7.0

## Ordering Information

### Barebone

- **NISE 2300 (P/N: 10J00230000X0)**  
Intel® Atom™ Dual Core D2550 fanless system with 4G DDR3 memory
- **19V 65W AC/DC power adapter w/ o power cord (P/N: 7400065009X00)**