



## Main Features

- OnBoard Intel® Atom™ Dual Core D2550 processor 1.86GHz
- Intel® 82801JIR ICH10 RAID
- 1 x DVI-I & 1 x HDMI display output
- Dual Intel® 82574IT GbE LAN ports; Support WoL, teaming & PXE
- 6 x COM (2 x RS232/422/485 w/ isolation protection)
- 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

NISE 2200 series powered by Intel® Atom™ Dual Core D2550 CPU with higher graphic and computing performance. With its outstanding performance, NISE 2200 series can be utilized within industrial automation, self-service machines like KIOSK check-in machines, recycling machines as well as factory automation and etc. NISE 2200 series support multiple I/O especially contains up to 6 x COM (2 x RS232/422/485 w/ isolation protection) and 6 x USB 2.0. Other than that, NISE 2200 series has a wide DC input range from 9V to 36V and a wide operating temperature; it is therefore designed to meet most application requirements.

## 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

- HDMI + VGA  
(P/N: 60233VGA50X00, 1.8M cable, from DVI-I to VGA male type)
- HDMI + DVI-D  
(P/N: 60233DVI18X00, 1.8M cable, from DVI-I to DVI-D male type)

### 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
- 1 x DB15, 4 x GPI & 4 x GPO
- 1 x Mic-in & 1 x Line out
- SIM card socket
- CFast socket
- 2 x antenna holes

### I/O Interface-Rear

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

### 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 +9 to 36VDC input; Support ATX power mode
- Optional 19V, 65W power adapter

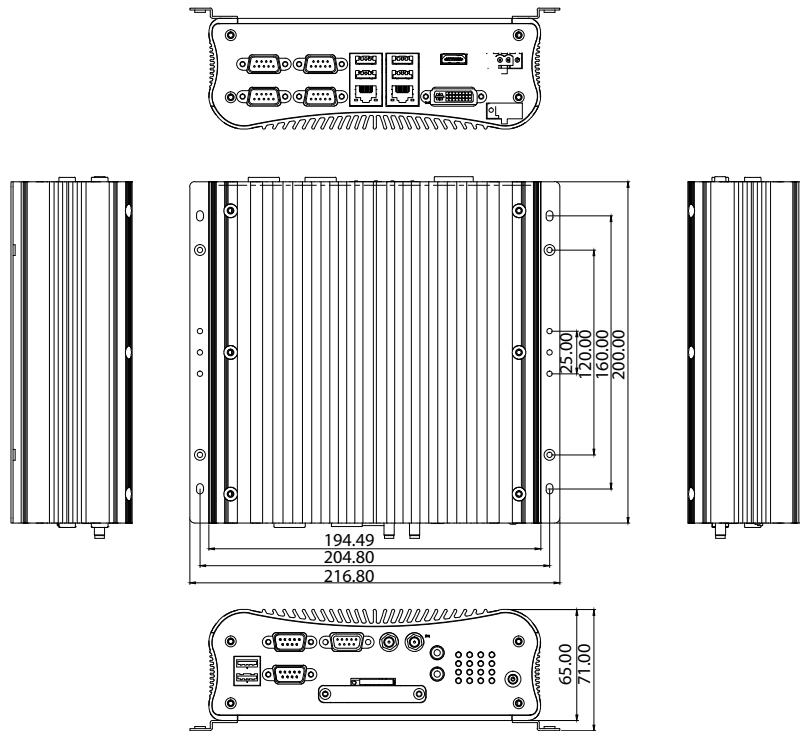
### Dimensions

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

### Construction

- Aluminum Chassis with fanless design

## 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 2200 (P/N: 10J00220000X0)**  
Intel® Atom™ Dual Core D2550 fanless system
- **19V 65W AC/DC power adapter w/ o power cord (P/N: 7400065009X00)**