

NISE 2200

Intel® Atom™ Dual Core D2550 1.86 GHz Fanless System
with 6 COM ports and 6 USB 2.0



Main Features

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

Product Overview

NISE2200 powered by Intel® Atom™ Dual Core D2550 CPU, DDR3 -800/1066/1333 SO-DIMM and 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 supports multiple IO especially contains up to 6x COM (2xRS-232/422/485 w/ isolation protection) and 6x USB 2.0. Other than that, NISE 2200 series has a wide DC input range from 9V to 36V and is therefore designed to meet most application requirements.

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 HDMI
- 1x DVI-I

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

Device

- 1x 2.5" HDD driver bay
- 1x External CFAST socket
- 1x External SIM card socket
- 1x internal mini-PCle 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")

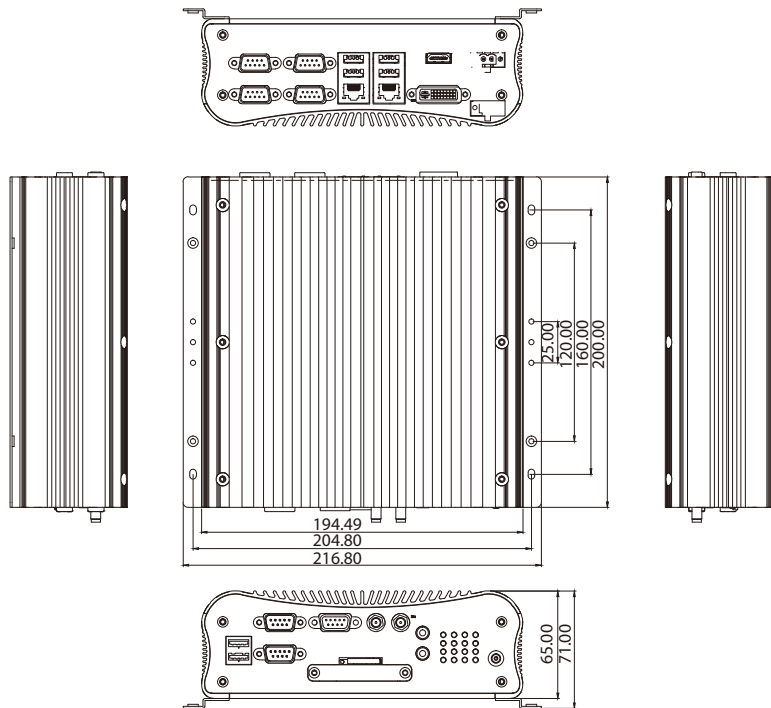
Construction

- Aluminum Chassis with fanless design

Environment

- Operating temperature:
Ambient with air flow: -20°C to 70°C
(According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 85°C

Dimension Drawing



- Relative humidity: 10% to 93% (Non-condensing)
- Shock protection: 20G, half sine, 11ms, IEC60068-2-27
- Vibration protection:
 - Random: 0.5Grms @ 5~500 Hz according to IEC68-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz according to IEC68-2-6

Certifications (plan)

- CE approval
- FCC Class A

Ordering Information

Barebone

- **NISE2200 (P/N: 10J00220000X0)**
Intel® Atom™ Dual Core D2550 fanless system
- **19V 65W AC/DC power adapter w/o power cord (P/N: 7400065009X00)**