NISE 2100

Main Features

- On-board Intel® Atom™ Dual Core D525 (1.8GHz, 1M Cache) processor
- One DDR3 SO-DIMM socket, DDR3 800 2G memory module support max.
- Three Intel® 1000/100/10 Mbps LAN ports
- 4 x USB2.0/1x VGA
- 1 x DB15 GPIO connector
- 4 x RS232 and 2 x RS232/422/485 with auto flow control
- One external CF Socket and one external SIM card holder
- 9 ~ 36V DC input
- ATX power mode

Product Overview

NISE2100 series are based on the cutting edge technology of the Intel® Atom™ Dual Core D525 processor. With Atom™ Dual Core D525 CPU, DDR3 667/ 800 SO-DIMM and multiple I/O ports, NISE 2100 series can be utilized within industrial automation, self-service machines like KIOSK check-in machines, recycling machines as well as factory automation etc. Other features of this versatile series include three Intel® Gigabit LAN ports, four RS-232 COM ports, two RS232/ 422/ 485 COM ports, four USB2.0, one VGA port, one GPIO port, and one speak out. In terms of storage, SATA HDD/ SSD or front accessible CF card are available for deployment. The NISE 2100 Series has a wide DC input range which varies from 9V to 36V and is therefore designed to meet most application requirements.

Specifications

Main Board
- NISB 2100
- On-board Intel® Atom™ D525 Dual Core processor, 1.8GHz, 1M Cache
- Intel® ICH8M PCH

Main Memory
- 1 x DDR3 SO-DIMM socket, support up to 2 GB DDR3 800 SDRAM memory module, unbuffered and non-ECC

Expansion
- 1 x Mini-PCIe socket onboard (Either optional Wi-Fi or Mobile wireless module)

I/O Interface-Front
- ATX Power on/off switch
- HDD Access/ Power status LEDs
- 2 x USB2.0 ports
- 2 x Serial port (RS232)
- 1 x external SIM card holder
- 1 x DB15 GPIO connector
- 2 x Antenna holes (Either optional Wi-Fi or mobile wireless module)

I/O Interface-Rear
- 9~ 36V DC input
- 1 x 3-pin for remote power on/off switch
- 1 x DB15 VGA port
- 3 x Intel® GbE LAN ports
- 1 x Speaker out
- 2 x USB2.0 ports
- 4 x Serial port (2x RS232 and 2x RS232/422/485 with auto-flow control)

Storage
- 1 x 2.5" SATA HDD drive bay
- One external CF socket

Power Requirements
- ATX Power mode
- DC to DC power design on-board, support from 9V ~ 36V DC
- Optional 19V, 65W power adapter

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

Construction
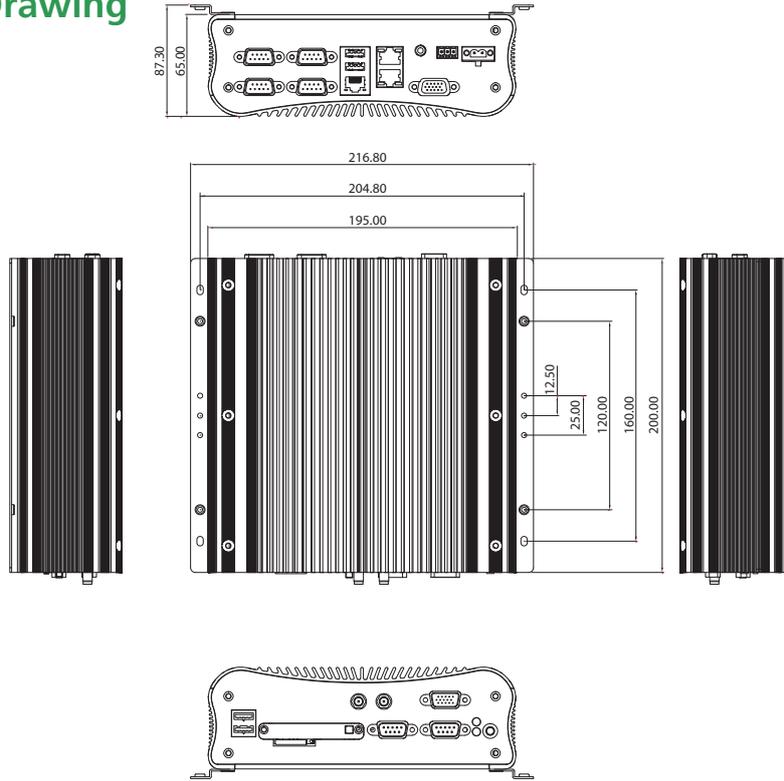- Aluminum Chassis with fanless design

Dimension Drawing

Environment
- Operating temperature:
  Ambient with air flow: -5°C to 55°C
  (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% to 93% (Non-condensing)

Certifications
- CE approval
- FCC Class A

Ordering Information

Barebone

- **NISE 2100 (P/N: 10J00210000X0)**
  Intel® Atom™ D525 Fanless Barebone System with DDR3 SO-DIMM socket and optional wireless module support (either Wi-Fi or mobile wireless)

- **19V 65W AC/DC power adapter w/o power cord (P/N: 7400065009X00)**

Last update: 01/28/2011