



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
- 2 x Intel® Gigabit Ethernet Ports
- 4 x USB 2.0 / 1 x VGA
- 4 x Serial port (2x RS232 and 2x RS232/ 422/ 485 with Auto-flow Control)
- 1 x Mini-PCIe Socket On-board
- One External CF Socket and One External SIM Card Holder
- 9V- 36V DC Input
- 4-channel Full-D1 Display/ Recording

Product Overview

NViS 2140 features an on-board Intel® Atom™ D525 1.8GHz processor. NViS 2140 provides a wide variety of I/O interfaces including 2 x Intel® GbE Ethernet ports, 4x COM ports, 4x USB, 1x GPIO, and audio interface. Mobile DVR Solution with Intel® Atom™ D525, flexible PCI expansion slot for 4 power over Ethernet(PoE) ports for a range of IP surveillance, eases the difficulties of providing different power source for device such IP camera in buses, and sightseeing buses etc.

Specifications

Main Board

- NISB 2100A
- On-board Intel® Atom™ Dual Core D525 FCBGA processor (1.8GHz, 1M Cache)
- Intel® ICH8M PCH

Main Memory

- 1 x 204 -pin SO-DIMM memory, up to 2GB DDR3 800, un-buffered and non-ECC

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

- 9V- 36V DC input
- 1 x 3-pin for remote power on/ off switch
- 1 x DB15 VGA port

- 2 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)

Device

- 1 x 2.5" HDD driver bay
- One external CF socket

Expansion

- 1 x mini-PCIe socket on-board (either optional Wi-Fi or mobile wireless module)
- 1 x PCI expansion (for optional PoE x 4) or 4-channel full-D1 SD capture card

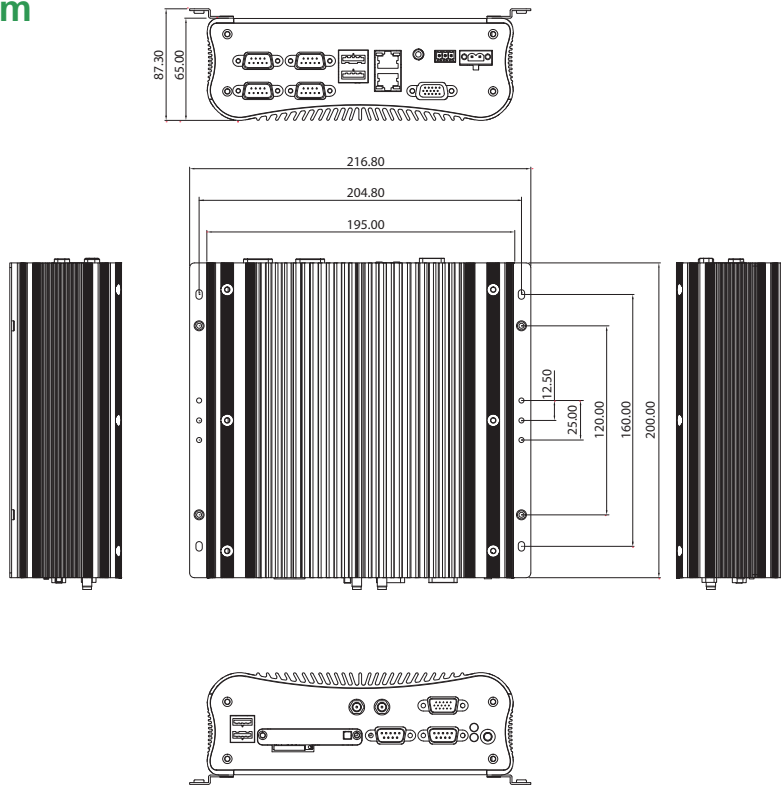
Power Requirements

- 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 90 mm (H) (7.7" x 7.9" x 3.5")

Block Diagram



Construction

- Aluminum chassis with fanless design

Environment

- Operating temperature:
Ambient with air flow: -20°C - 70°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

- **NViS 2140 (P/N: TBD) RoHS Compliant**
Intel® Atom™ Dual Core D525 fanless system
- **PoE PCI card (P/N: TBD)**
4 ports, IEEE 802.3af compliant, deliver 15.4W per port, 10/100 Ethernet, Auto-Negotiation supported
- **19V, 120W AC/DC power adapter w/o power core (P/N: 7410120002X00)**