

# NViS 2140H

4 channels, Hybrid Mobile Surveillance  
with Intel®Atom™ D525 1.8GHz Fanless System



## Main Features

- On-board Intel® Atom™ Dual Core D525 (1.8GHz, 1M Cache) Processor
- One DDR3 SO-DIMM socket, DDR3 800 2G Memory Module
- 2 x Intel® Gigabit Ethernet Ports
- 4 x USB 2.0 / 1 x VGA
- 4 x Serial port 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 2140H features an on-board Intel® Atom™ D525 1.8GHz processor. NViS 2140H provides a wide variety of I/O interfaces including 2 x Intel® GbE Ethernet ports, 4 x COM ports, 4 x USB, 1 x GPIO, and audio interface.

## 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  
(2 x RS232 and 2 x RS232/422/485 with auto-flow control)

### Storage

- 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)

### Power Requirements

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

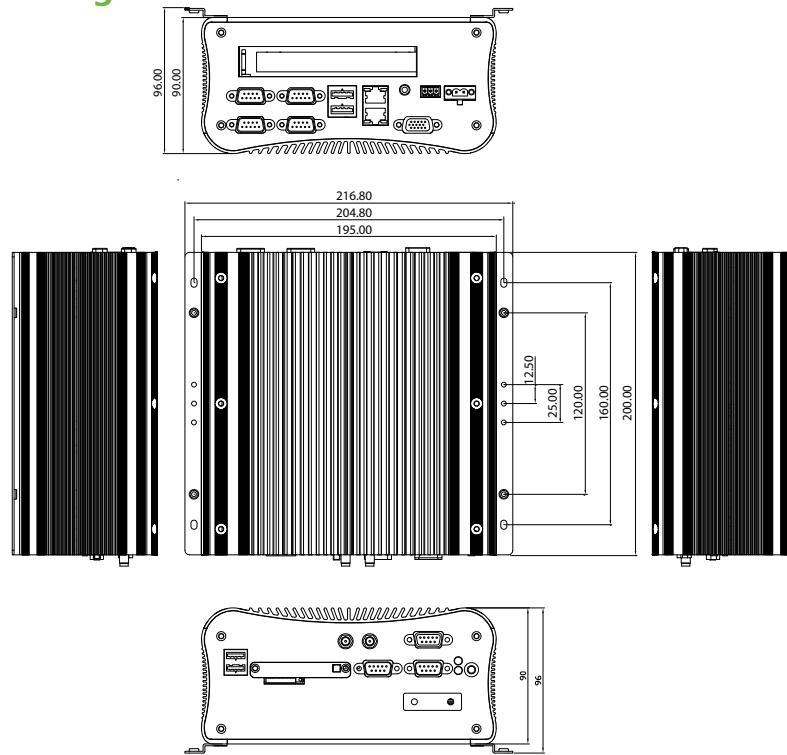
### Dimensions

- 195 mm (W) x 200 mm (D) x 90 mm (H) (7.7" x 7.9" x 3.5")

### Construction

- Aluminum chassis with fanless design

## Dimension Drawing



### Environment

- Operating temperature:  
Ambient with air flow: -20°C - 70°C  
(with industrial CF & SSD condition)
- Storage temperature: -20°C - 80°C
- Relative humidity: 10% to 93% (non-condensing)

### Certifications

- CE approval
- FCC Class A
- e13 mark

## Ordering Information

- **NViS 2140H (P/N: 10C2140H00X0) RoHS Compliant**  
Intel® Atom™ Dual Core D525 fanless system
- **19V, 120W AC/DC power adapter w/o power core**  
(P/N: 7410120002X00)