NViS 3542P4/P8

NViS 3542P4

NViS 3542P8

Main Features

- Support Intel® Core™ i7/i5 socket processor
- Mobile Intel® QM57 PCH
- Dual Intel® Gigabit Ethernet ports
- Dual VGA/DVI or VGA/HDMI or DVI/HDMI Display
- 3 x RS232 and 1 x RS232/422/485 with auto flow control

- On-board DC to DC power design to support 9V ~ 30VDC power input
- Support ATX power mode and PXE/WoL
- 4 x PoE ports (3542P4)/8 x PoE ports (3542P8)
- Support 3G/Wi-Fi/GPS communications

Product Overview

Utilizing 32nm Intel® Core™ i7/i5 processor, NViS 3542P series features Intel® Turbo Boost and Intel® Hyper-Threading technologies (2 cores, 4 threads), as well as on-processor graphics and two DDR3 800/1066 memory modules up to 8GB. In addition, NViS 3542P series provide optional 4 or 8 PoE ports which support IEEE802.3af and allows up to 16.8W maximum per port, a wide variety of display I/O configurations and rich I/O interfaces including two Intel® GbE Ethernet ports, 5 x COM ports, 6 x USB, 8 x GPIO, 2 x SATAII, 2 x eSATA, audio interfaces. NViS 3542P is designed for a broad range of applications which demand intense graphics performance; these include medical diagnostic equipment.

Specifications

Main Board
- On-board Mobile Intel® QM57 Platform Controller Hub
- Support Intel® Core™ i7-620M PGA processor (2.66GHz, 4M cache)
- Support Intel® Core™ i5-520M PGA processor (2.4GHz, 3M cache)

Main Memory
- 2 x 240-pin memory DIMM, up to 8GB DDR3 800/1066MHz SDRAM, un-buffered and non-ECC

I/O Interface-Front
- ATX power on/off switch
- HDD access/power status LEDs
- Wireless active LEDs
- 2 x Antenna holes
- 2 x USB 2.0 ports
- 1 x Line-out and 1 x MIC-in
- 1 x HDMI
- 1 x External SIM card holder

I/O Interface-Rear
- 2-Pin remote power on/off switch (support power ignition module)
- 9 ~ 30VDC input
- 1 x PS/2 for keyboard/mouse
- 1 x DB15 male connector for GPIO (4 x input and 4 x output)
- 1 x DB44 serial port for 4 x RS232 (COM2: RS232/422/485 with auto flow control)
- 2 x GbE LAN ports
- 4 x USB 2.0 ports
- 1 x DB15 VGA port
- 1 x DVI-D port

- 1 x Speaker-out and 1 x MIC-in
- 4-port PoE (IEEE802.3af-16.8W per port) NViS 3542P4
- 8-port PoE (IEEE802.3af-16.8W per port) NViS 3542P8

Storage
- 2 x 2.5" HDD driver bay (NViS 3542P4, support 1 x hot-swappable)
- 2 x 2.5" Internal HDD driver bay (NViS 3542P8)

Communication
- WAN: through mini-PCIe for optional 3G/3.5G/GSM module
- WLAN: through mini-PCIe for optional Wi-Fi module (either one)
- GPS: through internal COM for GPS module

Expansion
- 1 x mini-PCIe socket for 3G/Wi-Fi (Depend on SKU# selected)

Dimensions
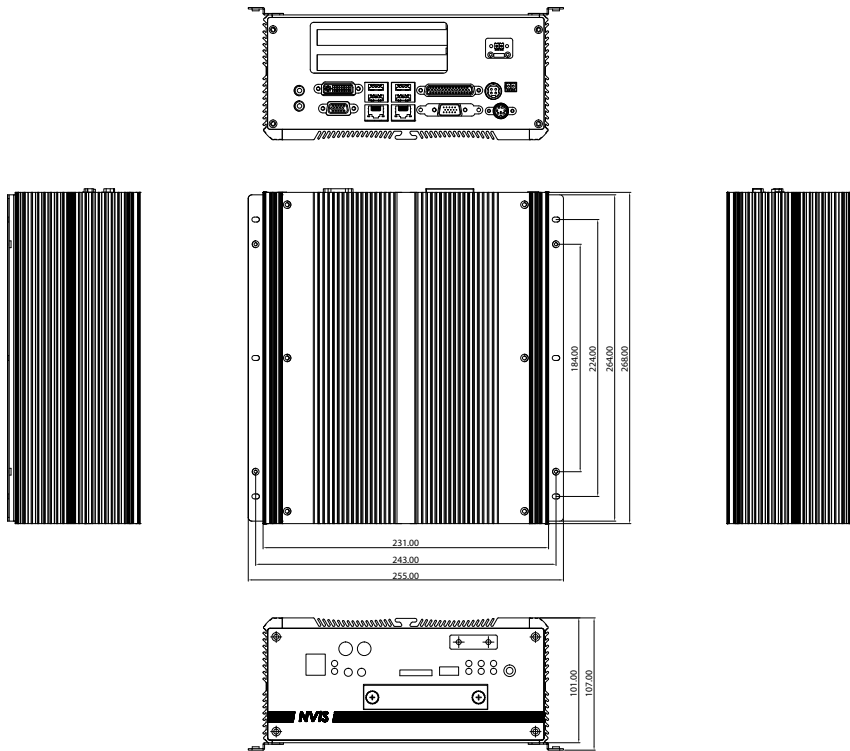- 235mm (W) x 268mm (D) x 101mm (H)

Construction
- Aluminum chassis

Environment
- Operating Temperature:
  Ambient with air flow: -5°C ~ 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% ~ 93% (non-condensing)
- Vibration (random): 2g@5 ~ 500Hz with SSD; 1g@5 ~ 500Hz with HDD (in operation)
- Vibration: STD-810F-514.5 C3- Composite wheeled vehicle (SSD with vibration kit)

NEXCOM

Dimension Drawing

Certifications

- CE approval
- FCC Class A
- e13 Mark

Ordering Information

- **NViS 3542P4 (P/N: 10C00354201X0) RoHS Compliant**
  In-vehicle Mobile NVR surveillance system with Intel® Core™ i7/i5 and 4 PoE ports, WWAN supported

- **NViS 3542P8 (P/N: 10C00354200X0) RoHS Compliant**
  In-vehicle Mobile NVR surveillance system with Intel® Core™ i7/i5 and 8 PoE ports, WWAN supported

- **NViS 3542WP4 (P/N: 10C00354204X0) RoHS Compliant**
  In-vehicle Mobile NVR Surveillance System with Intel® Core™ i7/i5 and 4 PoE ports, WLAN supported

- **NViS 3542WP8 (P/N: 10C00354203X0) RoHS Compliant**
  In-vehicle Mobile NVR Surveillance System with Intel® Core™ i7/i5 and 8 PoE ports, WLAN supported

Optional Accessories

- **Anti-vibration kit (P/N: 88C00354002X0)**

- **9~36VPower ignition module NISKIG120**

  (P/N: 10JKIG12000X0)