

# NViS 3542P4/3542P8

In-Vehicle Mobile NVR Surveillance System with  
Intel® Core™ i5/i7 Processor, 4/8 PoE ports



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 RS-232 and 1 x RS-232/422/485 with auto flow control
- On-board DC to DC Power Design to Support 9V to 30V DC 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 USB2.0 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)
- 9~30V DC 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 4x RS232 (COM2: RS232/ 422/ 485 with auto flow control)
- 2 x GbE LAN ports
- 4 x USB2.0 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)

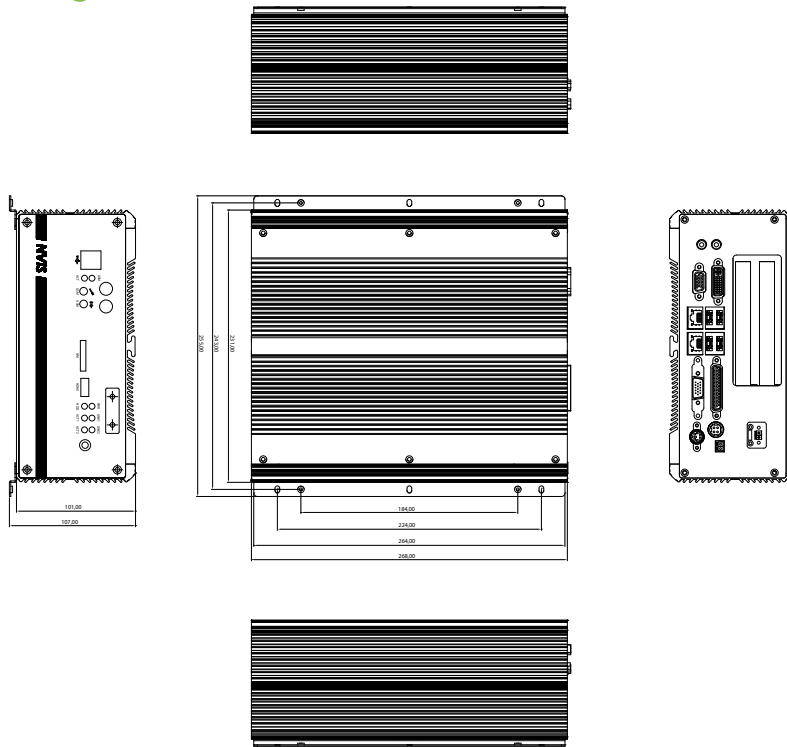
### Communication

- 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)

## Dimension Drawing



### Dimensions

- 235mm (W) x 268 mm (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% to 93% (non-condensing)
  - Vibration (random): 2g@5~500 Hz with SSD;  
1g@5~500 Hz with HDD(in operation)
  - Vibration: STD-810F-514.5 C3- Composite wheeled vehicle  
(SSD with vibration kit)

### Certifications

- CE approval
- FCC Class A
- e13 Mark

## Distributed By



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## 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)
- 9~36V Power ignition module NISKIG120  
 (P/N: 10JKIG12000X0)