



### Main Features

- ♦ Build-in Intel® Atom™ D510 Dual Core 1.6GHz processor
- ♦ Internal wireless communication (3.5G, GSM/GPRS, WLAN, BT)
- ♦ Smarter ignition power on/off, delay-time and low voltage protection
- ♦ PCI104, SUMIT and mini card expansion interface for PoE and mini card module
- ♦ 8~60V wide range DC power input
- ♦ Dual VGA output (clone mode)
- ♦ Rugged fan-less design to meet IP65 and MIL standard
- ♦ Flexible chassis design for PCI-104 and HDD can be used at the same time
- ♦ Support 2 x isolated RS-232 ports (COM1, COM2)
- ♦ Isolated GPIO

### Product Overview

NEXCOM's popular VTC Series range has been extended with the launch of VTC 6200, a dedicated computing solution for in-vehicle surveillance applications. The VTC 6200 utilizes the powerful video processing capability of the Intel® Atom™ D510 processor which can support Dual Core technology. With additional Video Capture Module, VTC 6200 is the ideal solution for in-vehicle surveillance applications.

### Specifications

#### Main Chipset

- ♦ ICH-8M

#### CPU

- ♦ Intel® Atom™ D510 Dual Core >= 1.6GHz

#### Memory

- ♦ DDR2 667/800 SDRAM one 200-pin SO-DIMM up to 2GB

#### Expansion

- ♦ Mini-PCIe socket (PCIe + USB) x 1 (for WLAN module)
- ♦ Mini-PCIe socket (USB) x 1 (for 3.5G module)
- ♦ 1 x Bluetooth module (optional)
- ♦ 1 x GPS module
- ♦ PCI-104 x 1
- ♦ SUMIT x 1 (USB + PCIe x1)

#### I/O Interface-Front

- ♦ 5 x LED's for power stand-by (on power button), Power Status, HDD, WLAN/HSDPA and GPIO
- ♦ Power button
- ♦ 2 x USB port
- ♦ 1 x SIM card socket
- ♦ System reset button
- ♦ 1 x Mic-In, 1 x Line-Out
- ♦ 4 x mounting hole SMA-type for WLAN/HSDPA/BT

#### I/O Interface-Rear

- ♦ Mounting hole reserved:  
For RF Coax to SMA Bulkhead x 1 (for GPS) reference, signal connect to function board
- ♦ 8V~60V Wide Range DC power Input, power ignition signal control
- ♦ Dual VGA Output (clone mode)
- ♦ 5V/1A, 12V/1A DC power output, can be controlled by S/W
- ♦ 1 x Mic-In, 1 x Line-Out
- ♦ 2 x Isolated RS232 (COM1/2)  
2 x RS232 (COM3/4)  
1 x Isolated RS485 (COM5)
- ♦ 2 x USB 2.0
- ♦ 1 x LVDS (DB26 female connector for LVDS with backlight, control power (+12V) and USB 2.0 x 1)
- ♦ 10/100/1000 Fast Ethernet, RJ45 with LED connector x 1
- ♦ Isolated GPIO x 1 (4 input & 4 output)
- ♦ FUSE

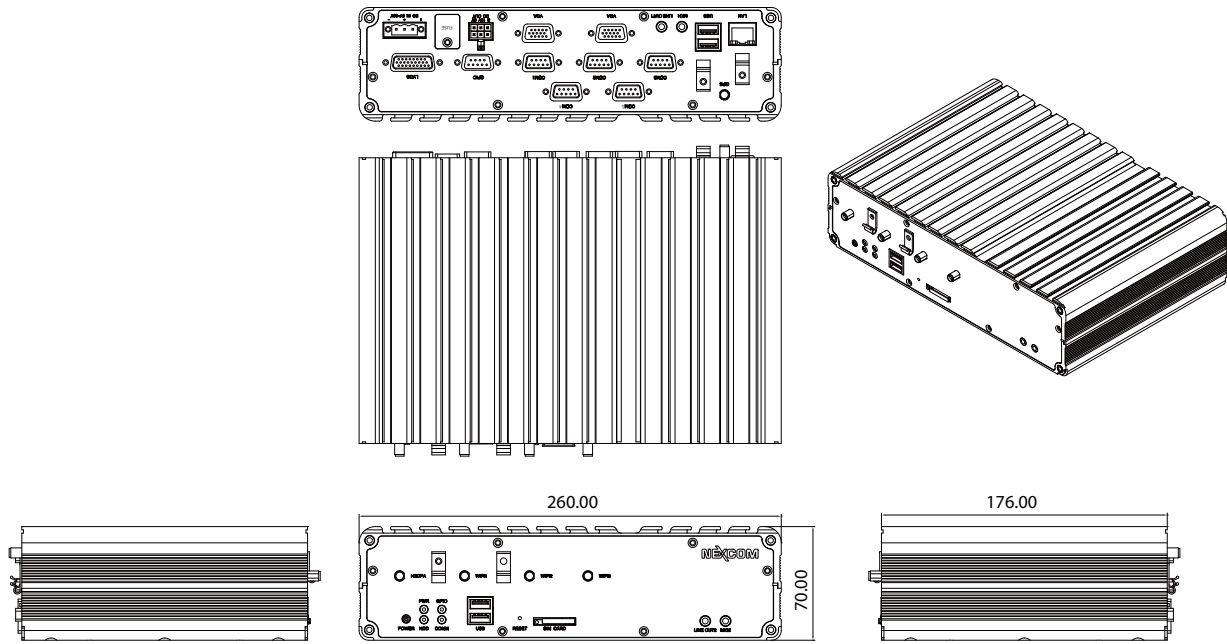
#### Expandable Storage

- ♦ SATA 2.5" HDD Bay x 1

#### Power Management

- ♦ Selectable boot-up & shut-down voltage for low power protection
- ♦ HW design ready for 8-level delay time on/off at user's self configuration
- ♦ Power on/off ignition, software detectable
- ♦ Support S3/S4 suspend mode

## Dimension Drawing



### IP Rating

- IP65 compliant w/ VTC series protection kit

### Dimensions

- 260mm (W) x 176mm (D) x 70mm (H) (10.24" x 6.93" x 2.75")  
(support HDD and PCI-104 at the same time)

### Construction

- Aluminum enclosure with fan-less design

### Environment

- Operating temperatures:  
Ambient with air:  
-30°C to 60°C (SSD)  
-30°C to 60°C (HDD)
- Storage temperatures: -40°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)
- Vibration (random): 2g@5-500 Hz with SSD; 1g@5-500 Hz with HDD (in operation)
- Vibration  
Operating: MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle – Highway Truck  
Storage: MIL-STD-810F, Method 514.5, Category 24, Integrity Test
- Shock:  
Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=20g  
Crash Hazard: MIL-STD-810F, Method 516.5, Procedure V, Ground equipment=75g

### Certifications

- CE approval
- FCC Class B
- e13 Mark
- EN50155
- IP65 protection (With IP65 kit)

## Ordering Information

- **VTC 6200 (P/N: 10V00620000X0)**  
Intel® Atom™ D510 1.66GHz processor, 1GB DDR2, GPS module and GPS antenna
- **Optional Accessories**

| Part No.      | Description   |
|---------------|---|
| 10VK33M0100X0 | VTK 33M-01 8.4" monitor w/ touch screen   |
| 10VK0061B00X0 | VTC61B, Back-up battery kit for 4 hours in system full loading  |
| 10Z00330200X0 | NAK3302, GSM/GPRS Mini-PCIe card module for VTC6xxx & VTC2xxx series  |
| 10VK0006006X0 | Wireless Mini Card Kit, Ralink 802.11b/g/n 2T3R, QCOM: Q802XKN, W/ antenna & cable (without assembly in NEXCOM) |
| 10VK0006000X0 | Sierra MC8790V Kit, GPRS/UMTS/HSDPA, w/ internal cable, antenna & packing (without assembly in NEXCOM)          |
| 10VK0006007X0 | Bluetooth Kit, QCOM: QBTM400-01(V7), w/ antenna & cable (without assembly in NEXCOM)                            |
| 10VK0006004X0 | GPS Kit, GlobalSat: EM-313 w/ antenna & cable (without assembly in NEXCOM)                                      |
| 7400120002X00 | Power adapter FSP: 120-AAB (N09001), 120W 19V/6.3A  |
| 60233SAM03X00 | Internal cable for GSM/WLAN/GPS antenna connection. MOQ: 20 pcs   |
| 60233SAM05X00 | GPS antenna/5m/SMA180P  |
| 60233SAM07X00 | GSM/GPRS antenna, SMA, support 850/900/1800/1900  |
| 60233SAM30X00 | GPS+GSM combo antenna 5M/SMA180P  |
| 60233SAM17X00 | GPRS/UMTS/GPRS antenna, SMA, support 850/900/1800/1900/2100   |