



# Automotive Box-PC 6200NI

## PKBX5398-1

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



Front Side



Rear Side

### Main Features

- Build-in Intel® Atom D510 Dual Core 1.66GHz processor
- Internal Wireless Communication (3.5G, GSM/GPRS,WLAN, BT)
- Smarter Ignition Power On/Off, Delay-time and low voltage protection
- PCI104 and Mini card expansion interface
- 8 to 60V wide range DC power input
- Dual VGA Output (Clone Mode)
- Rugged Fanless Design to Meet MIL Standard



### Technical Specification

#### Main Chipset

- ICH-8M

#### CPU

- Intel® Atom D510 Dual Core 1.66GHz

#### Memory

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

#### Expansion

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

#### I/O Interface-Front

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

#### I/O Interface-Rear

- 1x SMA antenna hole for GPS
- 8V to 60V wide range DC power input, Power Ignition signal control (ignition, power and ground)
- Dual VGA Output (Clone mode)
- 5V/1A, 12V/1A DC power output, controlled by S/W
- 1x Mic-In, 1x Line-Out
- 2x RS232 (COM1/2)
- 1x RS485 (COM 3)
- 2x USB 2.0
- 1x LVDS (DB26 female connector for LVDS with backlight control power (+12V) and 1x USB 2.0)
- 10/100/1000 Fast Ethernet, 1x RJ45 with LED connector
- 1x GPIO (4 input and 4 output)
- FUSE



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### Power Management

- Selectable boot-up and shut-down voltage for low power protection by software
- Setting 8-level on/off delay time by software
- Status of ignition and low voltage status can be detected by software
- Support S3/S4 suspend mode

### Environment

- Operating temperatures:  
Ambient with air:  
-30°C to 60°C (SSD)  
-30°C to 50°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 (with SSD):  
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 (with SSD):  
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

### Dimensions

- 260 x 176 x 50 mm (W x D x H)

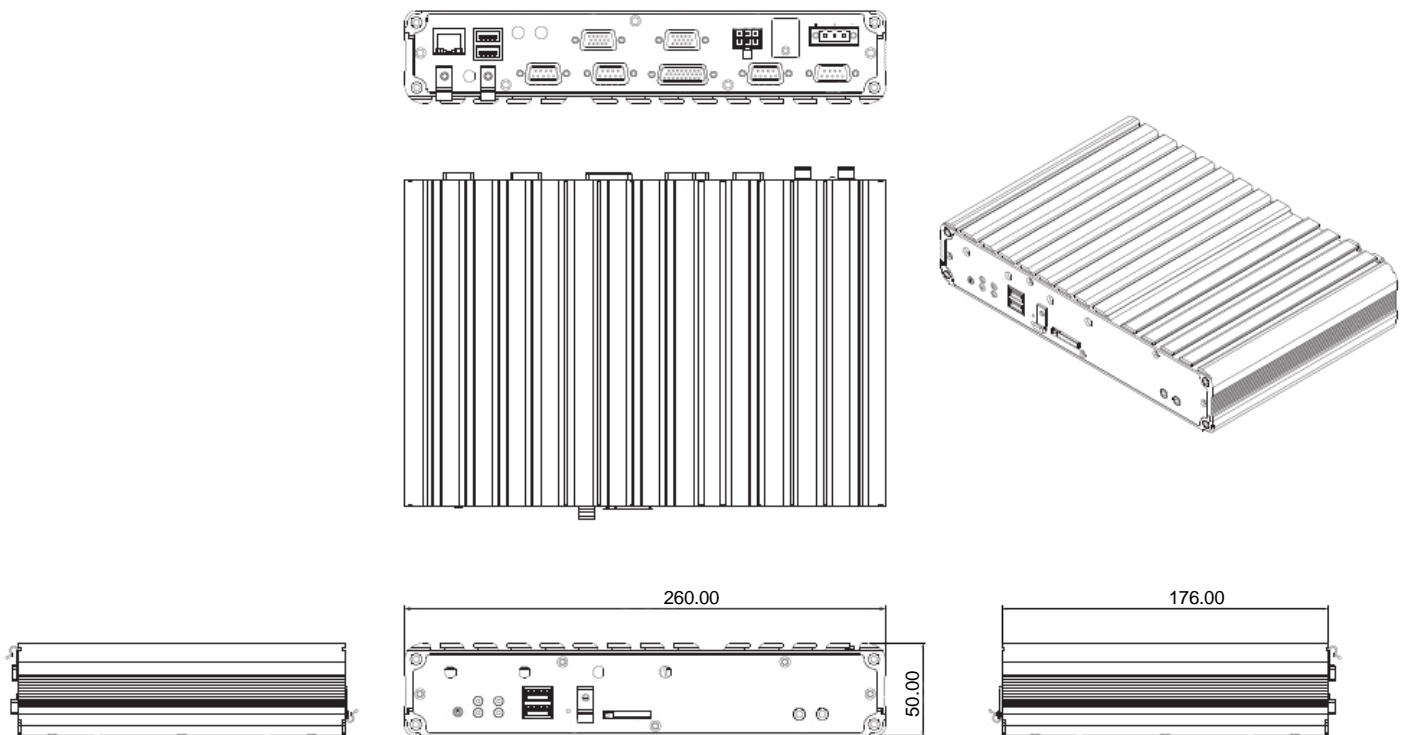
### Construction

- Aluminum enclosure with fanless design

### Certifications

- CE approval, FCC class B, e13 Mark, EN50155

### Dimension Drawing



# Automotive Box-PC 6200NI

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### Ordering Information

PKBX5398-1 Automotive Box-PC 6200NI (non-isolated)  
Intel Pineview D510 Dual Core 1.66GHz, 1GB RAM, GPS

### Options



PKBD1100



PKBD2000



PKBZ3002-1



PKBZ3022

PKBD1100 DeltaTerminal 8.4" LCD-TFT f. Automotive Box-PC3300+6xxx  
sunlight readable, with touchscreen, surface-mount

PKBD2000 DeltaTerminal 8.4" SVGA 800x600 Alu-chassis  
w/ TouchScreen for Automotive Box-PC 3300E/6000

PKBZ3002-1 Back-up Battery kit for 4 Hours in system full load  
for Automotive Box-PC 6100

PKBZ3022 Protection Kit for Automotive Box-PC 6100  
IP65 protection-Kit for anti-dust and anti-water