

Automotive Box-PC 6200-NI-DK

t.b.d.



The Automotive Box-PC 6200-NI-DK is the extension model of the Automotive Box-PC 6200-NI series to support dead-reckoning feature. It remains all main features and durable design as the

Automotive Box-PC 6200-NI but implement GPS module with dead reckoning feature. With this additional feature, when the GPS signal is unavailable or weak, you still can track your position.



Main Features

- Intel® Atom™ D510 Dual Core 1.66GHz processor
- Durable and Fanless Design
- Built-in GPS module with dead-reckoning support
- Ignition power on/ off and low voltage protection
- Smart Power Management by software setting
- 8 to 60V wide range DC power input
- PCI-104 and mini card expansion interface
- Dual VGA output (clone mode)
- Optional wireless communication (BT/WLAN/WWAN)
- Compliance with EN50155 and MIL-STD-810F standard

Technical Specifications

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

Expandable Storage

- 1x SATA 2.5" HDD Bay or 1x SATA DOM

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 & ground)
- Dual VGA Output (clone mode)
- 5V/1A, 12V/1A DC power output, can be controlled by S/W
- 1x Mic-in, 1x Line-out
- 1x Odometer Sensor Input
- 1x RS232 (COM2)
- 1x RS485 (COM3)
- 2x USB 2.0
- 1x LVDS (DB26 female connector with backlight power (+12V) and 1x USB 2.0)
- 10/100/1.000 Fast Ethernet, 1x RJ45 with LED connector
- 1x GPIO (4 input & 4 output)
- FUSE

Power Management

- Selectable boot-up & 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

Dimensions and Weight

- 260mm (W) x 176mm (D) x 50mm (H) (10.24" x 6.93" x 1.97")
- 2.19 Kg (4.82 Lb)

Construction

- Aluminum enclosure with fanless design

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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 to 500Hz with SSD; 1g @ 5 to 500Hz 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

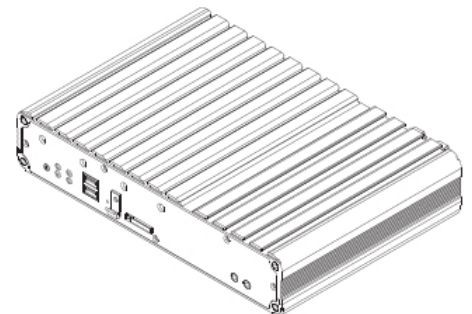
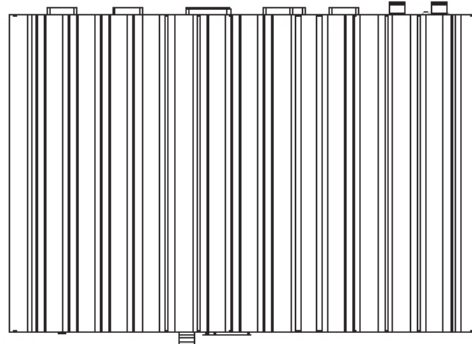
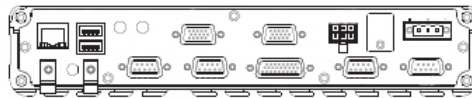
Protection Grade

- Compliance with EN50155
- Optional protection kit for IP65 rating

Certifications

- CE approval
- FCC Class B
- e13 Mark

Dimension Drawing



Ordering Information

t.b.d. Automotive Box-PC 6200-NI-DK
Intel Atom D510 Dual Core 1.66GHz
w/GPS dead-reckoning module