

Automotive Box-PC 6100-DK

t.b.d.



The Automotive Box-PC 6100-DK is the extension model of the Automotive Box-PC 6100 to support dead-reckoning feature. It remains all main features and durable design as the Automotive

Box-PC 6100 but additionally implement GPS module with dead reckoning feature. With this dead-reckoning support, you still can keep your vehicle position tracking when the GPS signal is unavailable or weak.



Main Features

- Intel® Atom™ N270 processor
- Durable and Fanless Design
- Built-in GPS module with dead-reckoning support
- Power Ignition on/off and low voltage protection
- Smart Power Management by software setting
- 6 to 36V wide range DC power input
- Multiple display interface connections (VGA, DVI-D and LVDS)

- PCI-104 and mini card expansion interface
- Optional wireless communication (BT/WLAN/WWAN)
- External smart battery back up support (option)
- Compliance with EN50155 and MIL-STD-810F standard

Technical Specifications

Main Chipset

- 945 GSE + ICH-7M

CPU

- Intel® Atom™ N270 1.6GHz

Memory

- DDR2 667 SO-DIMM up to 2G

Expansion

- 1x PCI-104
- 1x Bluetooth module (optional)
- 2x Mini-PCI express socket
- 1x GPS module

Expandable Storage

- 1x 2.5" SATA II HDD
- 1x CF

I/O Interface-Front

- 1x USB
- 1x Power button
- 1x Reset switch
- 1x SIM socket
- 1x Mic-in and 1x Line-out
- 4x LED's for Stand-by, HDD, WLAN/HSDPA and GPIO
- 4x SMA Antenna holes for WLAN, HSDPA, Bluetooth

I/O Interface-Rear

- 2x USB2.0
- 1x RS232
- 1x RS232/485 w/auto flow control
- 1x odometer sensor input
- 1x DB15 VGA
- 1x DVI-D
- 1x 10/100/1.000 Ethernet
- 1x Mic-in and 1x Line-out
- 1x SMA antenna hole for GPS
- 1x GPIO (4 input and 4 output)
- 1x DB26 LVDS (w/+12V for backlight power and USB2.0)
- 6V to 36V DC thru 3-pin connector (ignition, power & ground)
- +5V/+12VDC output, SMBus 5VDC (1A), 12VDC (1A), w/o PKBD1100, 5VDC (0.5A), 12V DC (0.5A), with PKBD1100

Power Management

- Boot-up and shut-down voltage setting selectable 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

Dimensions and Weight

- Dimensions: 260mm (W) x 176mm (D) x 50mm (H)
- Weight: 2.42 Kg (5.34 Lb)

Construction

- Aluminum enclosure with fanless design

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Environment

- Operating temperature: -30°C to +60°C with CF or Automotive HDD
- Storage temperature -40°C to +80°C at relative humidity 10% to 90% non-condensing
- Vibration (w/o vibration kit):
2G @ 5-500Hz random with CF
- 1G @ 5-500Hz random with Automotive HDD MIL-STD-810F Method 514.5 Category 20 Gound Vehicle-Highway Truck (in operation)
- Shock:
Operating: MIL-STD-810F Method 516.5, Procedure I, Trucks and semi-trailers=20g
- Non-Operating: MIL-STD-810F, Method 516.5, Procedure V, Gound equipment=75g

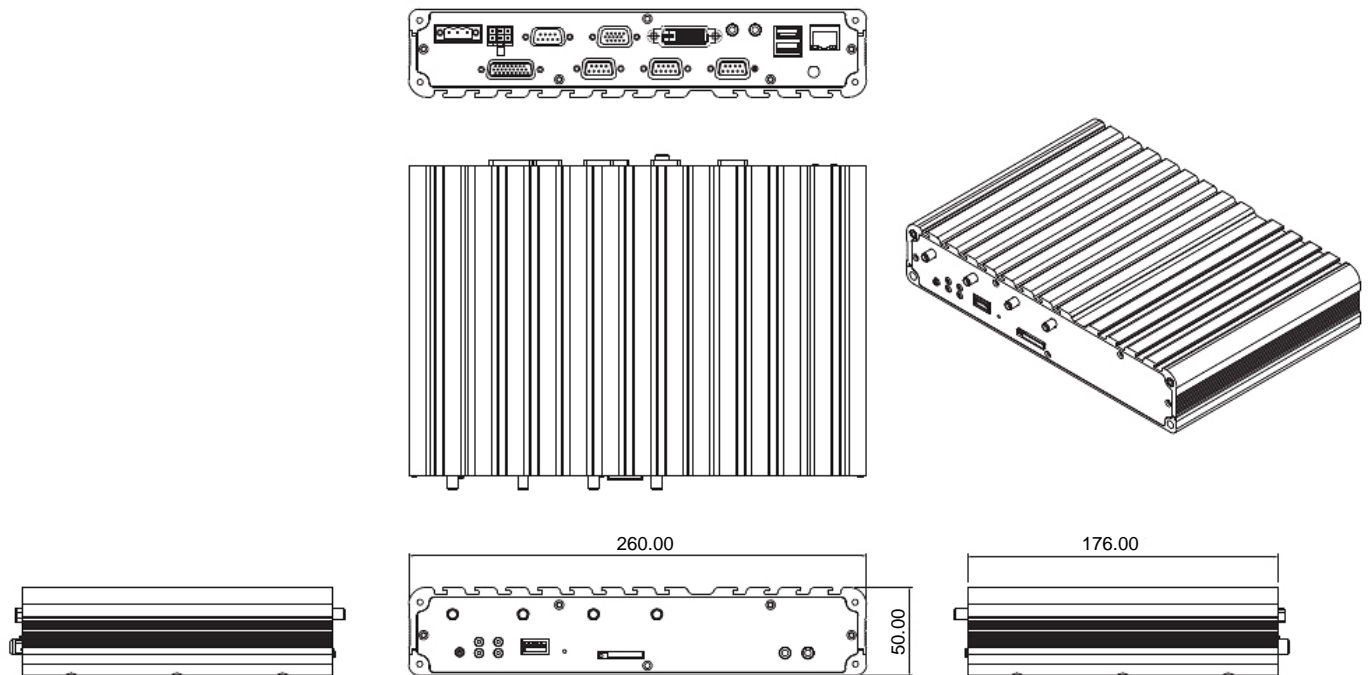
Protection Grade

- 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 6100-DK
Intel Atom N270 1.6GHz, w/GPS dead-reckoning module