

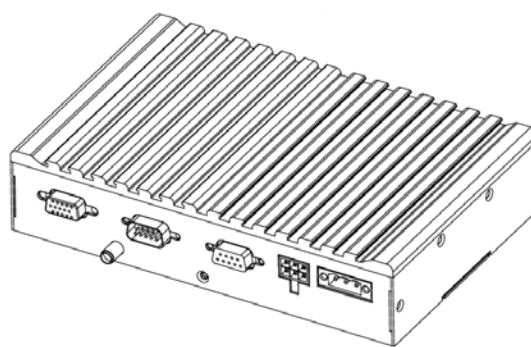
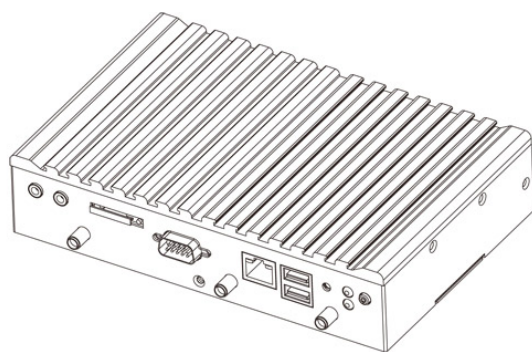
Automotive Box-PC 1000

t.b.d.



The Automotive Box-PC 1000, a compact rugged computer box, is designed for the transportation segment, especial for the vehicle with limited space to house the computer system. Same as all Automotive Box-PC series, the fanless and wide temperature support are reserved in Automotive Box-PC 1000 design. The Automotive Box-PC 1000 adopts the Intel® latest processor, Tunnel Creek X600 series. The Automotive Box-PC 1000 does not compromise with its space to

scarify its functional features. Needless to say RS232/422/485 and LAN port, it also offers the CAN bus to fit this vehicle demand. In order to speed the application access, FRAM design is reserved. An advanced GPS receiver with dead reckoning is available as an option as well as the wireless communication. The Automotive Box-PC 1000 is the best choice with the cost effective solution for your vehicle application.



Main Features

- Compact and Fanless Design
- Built-in GPS receiver with optional dead reckoning function
- Support CAN bus
- Variety Wireless Communication Options
- Wake on RTC/ SMS via WWAN Module (Option)
- Wide Range DC Input from 6 to 36V
- Smart Power Management with Ignition On/Off Delay via Software Control and Low Voltage Protection
- Certified by CE/ FCC/ e13 Mark

Technical Specifications

CPU and Main Chipset

- CPU: Intel® Atom™ E640 1.0GHz
- Main Chipset: EG20T

Main Memory

- On-board DDR2 1GB

Expansion

- Mini-PCIe socket (PCIe + USB) x 1 (for WLAN module)
- Mini-PCIe socket (USB) x 1 (for 3.5G module)
- 1x Bluetooth module (optional)
- 1x GPS module/I/O Interface-Front

Expandable Storage

- 1x 2.5" SATA SSD Bay

I/O Interface-Front

- 2x LED indicators for power status and wireless communication
- 1x COM port (RS-232)
- 2x USB port
- 1x RJ45 for 10/100/1.000 Ethernet
- 1x SIM card socket
- 1x System reset button
- 1x Mic-in, 1x Line-out
- 1x Power button
- 3x antenna hole reserved for SMA-type antenna connector (HSDPA/ WLAN/ BT)

I/O Interface-Rear

- 1 x com port (2 x RS422/ RS485)
- 1 x com port (1 x CAN bus and 2 x GPIO)
- 1 x DB15 VGA port
- 1 x DC output (5V/1A, 12V/1A)
- 1 x DC input via 3-pin connector

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; wake on RTC/ SMS

Dimensions and Weight

- Dimensions: 180 x 120 x 40 mm (W x D x H)
- Weight: 1 Kg (2.20 Lb)

Construction

- Aluminum Top Case with Metal Sheet

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

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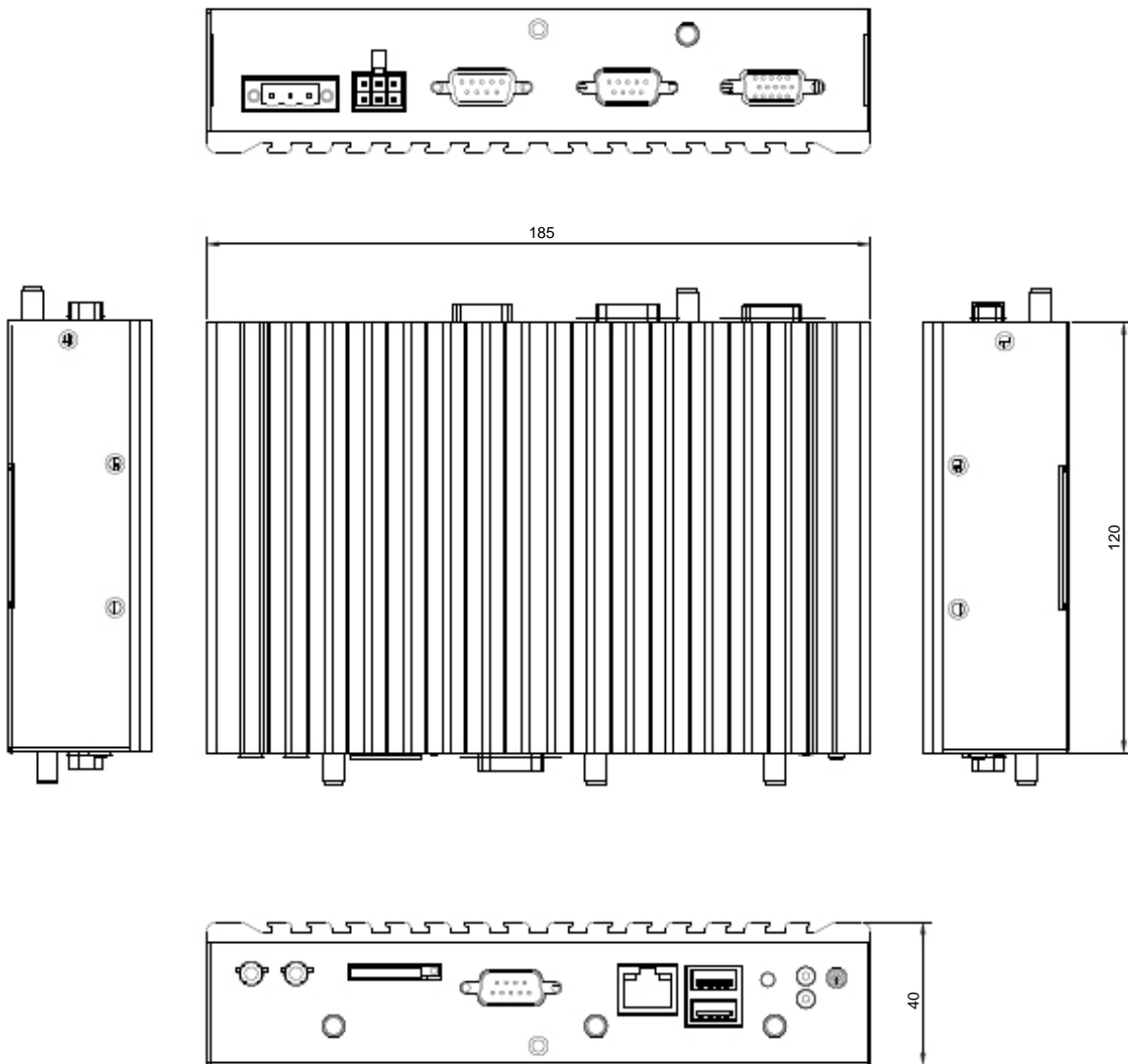
Environment

- Operating temperatures Ambient with air: -20°C to 70°C (SSD)
 - Storage temperatures: -40°C to 80°C
 - Relative humidity: 10% to 90% (non-condensing)
 - Vibration (random): 2g @5~500 Hz with SSD
 - 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

Certifications

- CE approval
- FCC Class B
- e13 Mark

Dimension Drawing



Ordering Information

t.b.d. Automotive Box-PC 1000
 Intel Atom E640 1.0GHz, 1x VGA, 3x COM