



Automotive Box-PC 3300E

PKBX5370/5371/5372/5373/5374/5375

The Automotive Box-PC 3300E is specifically designed to adapt various power supplying conditions in vehicle environment. The user can control and manage the system's power, such as setting the system to boot after the car engine started, keep the system running after car engine turned off. The Automotive Box-PC 3300E system provides out of the box solution that suits for immediate implementation. With rugged structure design, the Automotive Box-PC 3300E is designed to withstand dramatic vibration and a wide range of temperature with wide varieties of built-in communication and I/O ports for transportation. The Automotive Box-PC 3300E has a reserved space to integrate the GSM/GPRS and GPS function board.



Front Side



Rear Side

Main Features

- Fanless and rugged design platform
- Low battery power protection
- Optional integrated GSM/GPRS and GPS for mobile Communication and Navigation
- Power ignition control/delay time setting
- Dual display for CRT and LVDS output
- PC/104+ expansion (support PC/104+ card 3x)
- NVRAM storage backup
- Wide range DC input from 6 to 36VDC (selectable)
- ETX platform for quick Customization
- Optional fan/ vibration kit, 8.4" monitor, backup battery, protection box for anti-dust and anti-water protection

Technical Specification

Main Board

- Supports ETX Module with Intel® Pentium® M/Celeron® M processor, VGA/ISA/PCI/IDE/LVDS/Audio/COM/LPT/USB2.0/ LAN interface

Main Memory

- 1x 200-pin SO-DIMM socket for up to 1GB non-ECC non-registered DDR SDRAM memory

I/O Interface Front

- Power/HDD/GSM Status LED
 - 1x LED, programmable by user's definition purposes
- 1x PCMCIA
- 1x external access CompactFlash socket (2nd CompactFlash, IDE)
- 1x USB 2.0
- 1x system reset button
- 1x system power-on switch
- GSM audio output/Mic-In with 1x RJ11 to headset
- 1x GSM SIM card socket
- 1x reset button for integrated GSM/GPRS and GPS module
- Antenna mounting holes for 3x SMA-type (WLAN/GPS/GSM)

Applications

- Vehicle Tracking/Monitoring
- Real-time and Data Communication
- Computer-aided Dispatching
- Public Transportation
- Infotainment Systems
- Emergency Medical Services
- Fleet Management
- Security

Target Users

- Bus/Taxi /Train operators
- Boat/Yacht owners
- Trucking companies
- Police officers
- Service/Delivery companies



I/O Interface Rear

- 4x COM ports:
 - 3x DB9 for COM3, COM4 and COM6 (RS232)
 - 1x DB9 for COM5 (RS232/422/485, selectable, with auto flow control)
- 1x RJ45 with LED for 10/100 Mbps Ethernet
- 2x USB 2.0 ports
- 1x DB15 VGA
- 1x DB26 for LVDS, 1x USB 2.0 and 12V backlight voltage
- 1x DB9 female for digital I/O with 4x input and 4x output
- Audio interface with Line-In, Line-Out, and Mic-In
- 6 to 36VDC (selectable) power input with 3-pin power input connector (Ignition, power, ground)
- 5 and 12VDC power output, SM bus

Internal Expansion

- 1x PC/104+
- 1x internal CompactFlash socket (1st CompactFlash)
- 1x internal 2.5" HDD drive bay
- 1x NVRAM socket (up to 512KB)
- 1x Mini-PCI socket



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Technical Specification

Environment

- Operating temperature:
 - Ambient with air flow:
 - 15°C to 60°C (Celeron M 600/1GHz)
 - 15°C to 50°C (Pentium M 1.6GHz)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 90% (non-condensing)
- Vibration (w/o vibration kit):
 - 2G at 5-500Hz random with CF
 - 1G at 5-500Hz random with automotive HDD
 - MIL-STD-810F Method 514.5 C-17 Category 20
Ground Vehicle-Highway Truck(in operation)
- Vibration (w/ vibration kit):
 - 3G at 5-500Hz random with CF
 - 2G at 5-500Hz random with automotive HDD
- Shock:
 - Operating:
 - MIL-STD-810F, Method 516.5, Procedure I,
Trucks and MIL-STD-810F Method 514.5 C-17 semitrailers=20g
 - Non-Operating:
 - (Crash Hazard) MIL-STD-810F, Method 516.5, Procedure V,
Ground equipment= 75g

Dimensions

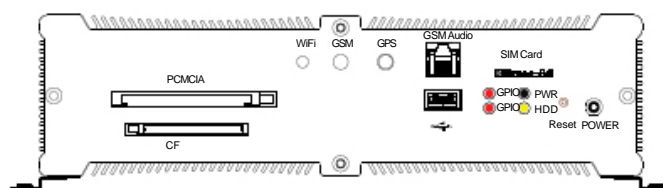
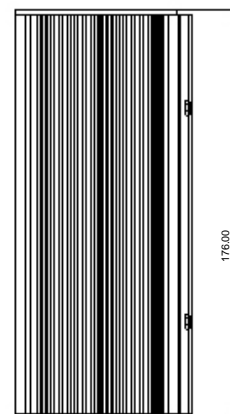
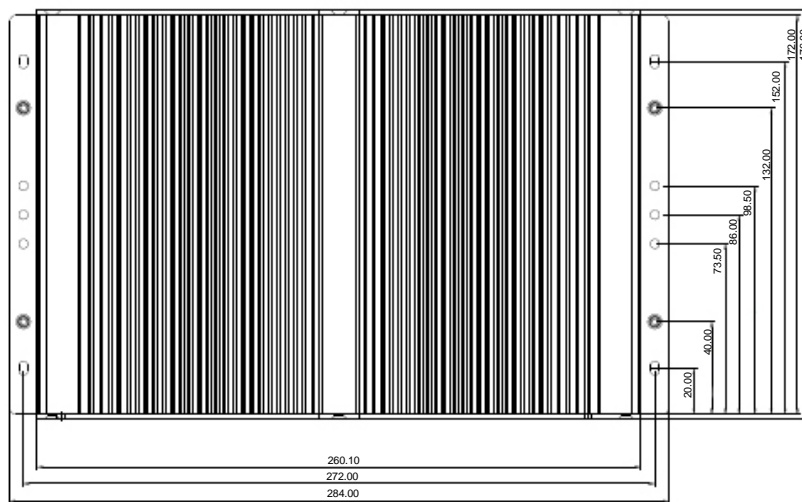
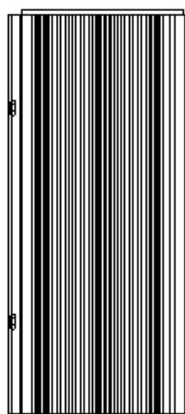
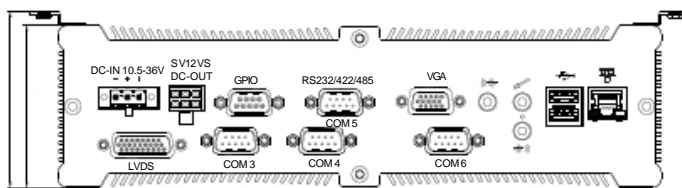
- 260 x 176 x 70 mm (W x D x H)

Construction

- Aluminum chassis with fanless design

Certification

- CE approval, FCC, e13 Mark



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Ordering Information

PKBX5370	Automotive Box-PC 3300E-Barebone w/Celeron M 1.5GHz CPU, w/o GPS/GSM	PKBX5373	Automotive Box-PC 3300E-370, w/o DDR w/Celeron M 1.5GHz CPU, w/o GPS/GSM
PKBX5371	Automotive Box-PC 3300E-C65, 512MB DDR w/Celeron M 600MHz CPU, w/o GPS/GSM	PKBX5374	Automotive Box-PC 3300E-160, w/o DDR w/Pentium M 1.6GHz CPU, w/o GPS/GSM
PKBX5372	Automotive Box-PC 3300E-373, 512MB DDR w/Celeron M 1GHz CPU, w/o GPS/GSM	PKBX5375	Automotive Box-PC 3300E-745, w/o DDR w/Pentium M 1.8GHz CPU, w/o GPS/GSM

Options



PKBZ3003



PKBD1100



PKBD2000

PKBZ3003	Fan- and Antivibration Kit for Automotive Box-PC 3300E und 6xxx
PKBD1100	DeltaTerminal 8.4" LCD-TFT f. Automotive Box-PC 3300E and 6xx sunlight readable, w/Touch, surface-mount
PKBD2000	DeltaTerminal 8.4" SVGA 800x600 Alu-build-on enclos. w/Touch for Automotive Box-PC 3300E/6xxx