



## CARlib

CARlib is a powerful solution for onboard vehicle computing and multimedia applications based on a x86 compatible architecture.

Robustness, modularity and multi-OS compatibility will place the CARlib at the center of your embedded application.

Compact and cost-effective, it allows easy installation and maintenance in buses, coaches, or light vehicles.

*The onboard PC reference for electric car-sharing, reliable and designed with the end user in mind!*

### SPECIFICATIONS

- 7" Wide Resistive Touch Screen
- Processors:
  - Intel® ATOM™ Z520 1.3 GHz
  - Intel® ATOM™ E3825/26/27 up to 1.7GHz dual core
  - Intel® ATOM™ E3845 1.9Ghz quad core
- Up to 4Gb DDR3L
- USB 2.0 interface
- Compact Flash interface
- Integrated speakers and microphone
- GPS – GSM/GPRS/3G+ – Wi-Fi
- Audio amplifier 2x12W
- FM RDS Tuner
- Automotive interfaces
- Operating Temperature: -40°C/+50°C

# CARLIB

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## Onboard PC



### TECHNICAL SPECIFICATIONS

#### DISPLAY

<b>Screen</b> Industrial 7" Wide with LED backlight	<b>Screen Resolution</b> Standard WGA 800x480
<b>Touch Screen / interface</b> 4 Resistive wires	<b>Brightness</b> 450 Cd
<b>View Angles L-R / U-D</b> 120° / 140°	<b>Contrast</b> 600 :1

#### PC CORE

<b>Processors</b> Intel® ATOM™ Z520 1,3Ghz Intel® ATOM™ E3825/26/27 1.3Ghz/1.4Ghz/1.7Ghz Dual Core Intel® ATOM™ E3845 1.9Ghz Quad Core	<b>Chipsets</b> Intel Poulso US15WPT Intel® Baytrail E3825/26/27 Intel® Baytrail E3845
<b>RAM</b> Poulso chipset: up to 2Gb DDR2 Baytrail chipset: up to 4Gb DDR3L	<b>Video Controller</b> Chipset integrated / LVDS
<b>IDE</b> Compact Flash interface	<b>USB External interfaces</b> 1 USB 2.0 (wire)
<b>Audio</b> Integrated microphone	<b>Audio amplifier</b> 2x12W (4 ohms)

#### AUTOMOTIVES FUNCTIONS

<b>Power Supply</b> Automotive power supply input with 12/24V NF ISO/DIS 7637-1-2-3 protection with ignition input Management of sleeping modes, temperature control through independent controller	<b>Electrical Protections</b> Fuse ATO: 5A / 32V available at rear panel
<b>Input</b> 2 automotive interfaces	<b>GPS</b> UBlox with 50 channels (Galileo compliant and dead reckoning)
<b>GSM / 3G+</b> Cinterion GSM/GPRS/EDGE/3G+/HSPA automotive modem	<b>WiFi</b> Wifi a/b/g/n (option)
<b>Radio</b> FM RDS Tuner	<b>Operating Temperature</b> -40°C / +50°C
<b>Relative humidity</b> 10 to 90% without condensation	<b>Dimensions</b> Display case: 195 x 108 x 28 mm Body case: 167 x 102 x 75 mm

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