



PCcar V3

The third-generation PCcarV3 system combines localization and driver-vehicle communications interfaces.

Designed around an ETX-A processor core by ACTIA PCs, it is a standard, robust, powerful and user-friendly x86 solution.

Its wide range of options ensures a high level of customization for any application i.e. intelligent transportation systems (ITS), ticketing systems, CCTV, and data servers.

Discover the reference embedded PC designed for your embedded projects.

SPECIFICATIONS

- Processors:
 - Intel Celeron M 600Mhz/1Ghz
 - Pentium M 1,4 GHz
 - CoreSolo M423 1GHz / Core2Duo
- Industrial compact flash interface
- USB, COM, Ethernet interfaces
- Multiple Input / Output
- Automotives interfaces
- VGA and LVDS interfaces
- GPS with dead reckoning
- GSM/GPRS/3G+
- Wi-Fi
- Operating Temperature -30°C/+60°C

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Embedded PC



TECHNICALS SPECIFICATIONS

PC CORE

Processor(s) ETXA-755 : Celeron M 600MHz/1GHz, Pentium M 1,4GHz ETXA-845 : CoreSolo M423 1GHz / Core2Solo	Chipset Intel i855 or i945 according to ETX-A choice
Memory From 256Mb up to 1Gb	Ethernet 10/100 Mb/s in SUBD format
Videos controller Intel I855GM ETXA-755 : double integrated video controller Intel I945GM ETXA-845 : double integrated video controller	Serial lines 1 RS232/485 + 3 RS232 4 RS232/422/485 with PC/104 option
IDE1 Interface Compact Flash on primary IDE	USB lines 2 USB 1.1 or 2.0 + 1 USB (internal)
IDE2 (optional) SATA interface for optional disk	Audio AC'97 compliant

AUTOMOTIVES FUNCTIONS

Power supply 12/24V ISO7637-3 power supply managed with ignition Management of sleeping and wake-up modes	Input / Output 11 protected inputs 12/24V ISO7637 4 outputs relay 0,5A
Protections Independant environmental and power supply management controller	Field bus 2 CAN High speed
GPS UBlox 16 channels with dead reckoning	Pre-heating Pre-heating to operate at -30°C
GSM / GPRS / 3G+ GSM/GPRS or EDGE/3G+ modem	Power consumption From 15 up to 20 W depending on configuration
WiFi Wifi 802.11b/g with PC/104+ (option)	Dimensions System: 177x200x95mm Connector board : 200x200mm
Operating temperature -10°C / +60°C – preheating from -30°C	Storage temperature -40°C / +85°C



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