



VTC 6000 with optional IP65 enclosure



Main Features

- ♦ Build-in Intel® Atom™ Z510/Z530 processor
- ♦ Availability of GSM/GPRS/WCDMA/HSDPA/GPS
- ♦ e13 mark certification
- ♦ External smart battery back up support
- ♦ Power ignition on/off delay control
- ♦ Circuitry design for low power protection
- ♦ 6~36V DC power input
- ♦ 1 PCI-104 expansion slot
- ♦ Multiple display interface connections (VGA, TV-out and LVDS)
- ♦ Optional IP65 enclosure

Product Overview

The VTC 6000 is an innovative in-vehicle computer for use in any car, truck, or even for maritime applications. The design itself makes the system available as a complete system allowed the user easily define and build requirements. Thanks to the extremely-low power consumption nature from Intel® Atom™ processor, the VTC 6000 mechanical design is even more compact yet reach wider operating temperature range than ever. The VTC 6000 fulfills vehicle industry requirements. The design itself is in compliance with vehicle industrial standard such as eMark. More features required for in-vehicle operations, such as power ignition delay control, low-power protection and SMBus connection, etc., are continued from others of NEXCOM's in-vehicle computer products. The GPS function navigates drivers to ultimate the fleet management. Optional 802.11b/g/n and 3.5G availability make the VTC 6000 ready for wider coverage and future trend. Multiple display connections make the VTC 6000 an ideal choice for in-vehicle signage platforms as well.

Specifications

Main Chipset

- ♦ US15W SCH

CPU

- ♦ Intel® Atom™ Z500 Series 1.1GHz (Z510), 1.6GHz (Z530)

Memory

- ♦ DDR2 400/533 SO-DIMM up to 2GB

Expansion

- ♦ 1 x PCI-104
- ♦ 1 x Bluetooth module (optional)
- ♦ 2 x Mini-PCI express socket
 - 1 x PCIe interface
 - 1 x PCIe & USB interface

I/O Interface-Front

- ♦ 4 x SMA-type for WLAN, HSDPA
- ♦ 1 x Power button
- ♦ 1 x Reset switch
- ♦ 1 x SIM socket
- ♦ 1 x USB
- ♦ 4 x LED's for Stand-by, HDD, WLAN/HSDPA and GPO

I/O Interface-Rear

- ♦ 2 x RS232
- ♦ 1 x RS232/485 w/ auto flow control
- ♦ 1 x DB26 LVDS (w/ +12V for backlight power & USB2.0)
- ♦ 1 x DB15 VGA
- ♦ 1 x RCA TV-out
- ♦ 2 x USB2.0
- ♦ 1 x 10/100/1000 Ethernet
- ♦ 2 x Mic-in & 2 Line-out
- ♦ 1 x SMA-type for GPS
- ♦ 1 x GPIO (4 input & 4 output)
- ♦ 6V~36V DC thru 3-pin connector (ignition, power & ground)
- ♦ +5V/+12V DC output, SMBus
 - 5V DC (1A), 12V DC (1A), without VTK 33M-01
 - 5V DC (0.5A), 12V DC (0.5A), with VTK 33M-01

Expandable Storage

- ♦ 1 x 2.5" SATA II HDD + 1 x CF



