



Main Features

- Build-in Intel® Atom™ D2550 1.86GHz processor
- Support two Ethernet LAN ports
- Dual removable 2.5" SSD tray and CFAST slot
- Optional CAN/OBDII module (CAN Bus 2.0B or OBDII SAE J1939)
- Support two SIM card sockets
- PCI-104 socket
- 9 ~ 36V wide range DC power input
- Smarter power management and low voltage protection
- Support 4 digital input and 4 digital output
- Rugged fanless design to meet MIL standard
- Support 8 channels PoE with IEEE802.3af
- Wake on RTC/SMS via WWAN module

Product Overview

VTC 7100-C8SK, adopting the high performance processor, Intel® Atom™ D2550, is a new generation of VTC series. In addition to keep the advantage of existing VTC series, it offers dual LAN ports for redundancy, Three high speed interface for storage, 2.5" SATA and CFAST. The storage is easily accessible from the front side for maintenance concern. Furthermore, it offers the OBDII for heavy duty truck such as SAE J1939/J1708, and support 8-channel PoE. With the rich features, VTC 7100-C8SK can satisfy your demand in vehicle applications.

Specifications

CPU

- Intel® Atom™ D2550 1.86GHz

Main Chipset

- ICH10R

Memory

- One 204-pin DDR3 1066MHz SO-DIMM slot (up to 4GB)

Expansion

- 1 x mini-PCIe socket (PCIe + USB) for WLAN option
- 1 x mini-PCIe socket (USB) for WWAN option
- 1 x Bluetooth module for option
- 1 x on board uBlox NEO-6Q GPS module or optional GPS with dead reckoning

I/O Interface-Front

- 1 x Line-out, 1 x Mic-in (for WWAN CM8000 voice communication)
- 2 x SIM card socket (selectable)
- 1 x System reset button
- 1 x USB 2.0 host type A connector
- 1 x Power button
- 1 x CFAST with protection cover
- 2 x Accessible 2.5" SATA II SSD tray (optional lockable storage available)
- 4 x LED's for power, storage, WLAN/HSDPA and GPIO
- G sensor

I/O Interface-Rear

- 1 x 9 ~ 36VDC input with ignition and 36W typical power consumption
- 1 x 12V/4A DC output, SMBus

- 1 x DB26 LVDS interface with 12V and USB 2.0
- 1 x DB-15 VGA
- 1 x DB9 RS-232 (default) or optional CAN/OBDII module (CAN Bus 2.0B or OBDII SAE J1939)
- 1 x DB9 RS-422/485
- 1 x DB9 female connector for 4 x DI and 4 x DO
(Digital Input)
Input voltage (Internal Type): 5VDC TTL (default)
Input voltage (Source Type): 3 ~ 12VDC
(Digital Output)
Digital output (Sink Type): 5VDC TTL (default), max current: 20mA
Digital output (Source Type): 3 ~ 24VDC, max current: 250mA
- 2 x USB 2.0 host type A connector
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 8 x RJ45 with LEDs for 10/100/1000Mbps Ethernet and support IEEE802.3af PoE (Max. 60W)
- 1 x Line-out, 1 x Mic-in
- 1 x SMA-type GPS antenna connector
- 4 x Antenna hole reserved for SMA-type antenna connector (WWAN/WLAN/BT)

Power Management

- Selectable boot-up & shut-down voltage for low power protection by software
- Setting 8-level on/off delay time by software
- Status of ignition and low voltage status can be detected by software
- Support S3/S4 suspend mode

