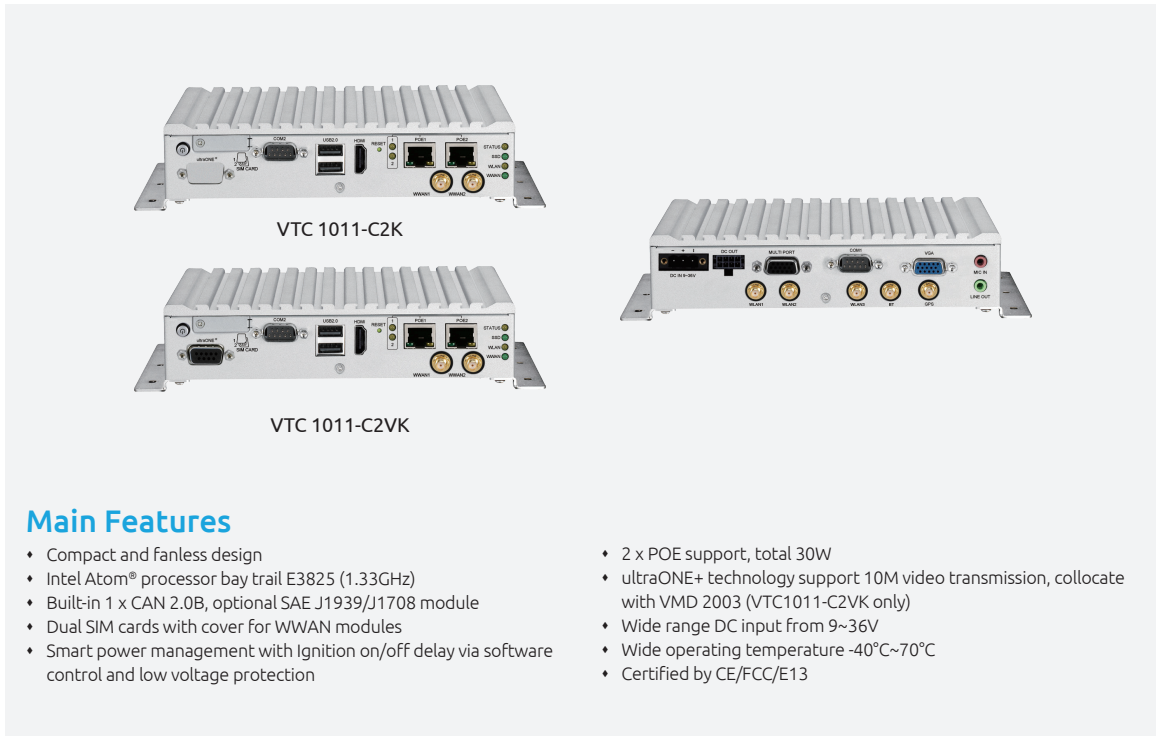


# VTC 1011-C2K/C2VK

Intel Atom® E3825 Processor  
Fanless In-Vehicle Computer



## Main Features

- Compact and fanless design
- Intel Atom® processor bay trail E3825 (1.33GHz)
- Built-in 1 x CAN 2.0B, optional SAE J1939/J1708 module
- Dual SIM cards with cover for WWAN modules
- Smart power management with Ignition on/off delay via software control and low voltage protection
- 2 x POE support, total 30W
- ultraONE+ technology support 10M video transmission, collocate with VMD 2003 (VTC1011-C2VK only)
- Wide range DC input from 9~36V
- Wide operating temperature -40°C~70°C
- Certified by CE/FCC/E13

## Product Overview

VTC 1011, a compact, rugged and entry-level vehicle computer with Intel Atom® E3825 processor dual core 1.33GHz, is designed for the harsh in-vehicle environment. Because of the compact design, it is especially for the vehicles with limited space to locate the computer system, but without compromising with its space to scarify its features. VTC 1011 has on board CAN 2.0B and optional OBD interface (SAE J1939/1708) for vehicle diagnostics and driver behavior management. An advanced GPS receiver supports GPS/Glonass/QZSS/Galileo/Beidou . VTC 1011 features WLAN and WWAN wireless data and 3G voice connectivity. With external SIM socket, it allows user to access SIM card conveniently. Advanced ultraONE+ technology support 10M Video transmission, collocate with VMD 2003 (VTC1011-C2VK only). VTC 1011 always keeps the flexibility to meet different demands for telematics applications, such as infotainment, fleet management and patching system.

## Specifications

### CPU

- Intel Atom® processor bay trail E3825, 1.33GHz

### Memory

- 1 x 204-pin DDR3L SO-DIMM socket support 1066MHz/1333MHz up to 8GB. Default 2GB

### Storage

- 1 x 2.5" SSD SATA 2.0
- 1 x mSATA

### Expansion

- 1 x Full size mini-PCIe socket (USB 2.0 or USB3.0 (option))
- 1 x Full size mini-PCIe socket (mSATA + PCIe + USB 2.0)

### Function

- 1 x u-blox NEO-M8N module (support GPS/Glonass/QZSS/Galileo/Beidou)
- Built-in G-sensor
- TPM2.0

### I/O Interface-Front

- 1 x Power button with LED
- 2 x SIM socket (Micro type) with cover
- 1 x DB9 for RS232 Full
- 2 x Type A USB 2.0 compliant host, supporting system boot up
- 1 x HDMI

- 1 x Reset button
- 2 x LED for POE status
- 2 x RJ45 POE
- 4 x LED for STATUS, SSD, WLAN, WLAN
- 1 x DB9 for ultraONE+ technology support (VTC1011-C2VK only)
- 2 x antenna hole for WWAN

### I/O Interface-Rear

- 1 x Phoenix connector for power/GND/Ignition input
- 1 x 4 x 2 connect for 12V/2A DC output, UART, power button
- 1 x DB15 multi-port for 1 x CAN 2.0B, 1 x RS232 (Tx/Rx)/RS422/RS485, 8 x DIO
- 1 x DB9 for RS232 Full
- 1 x DB15 VGA
- 1 x Mic-in
- 1 x Line-out
- 5 x Antenna hole for WLAN/BT/GPS

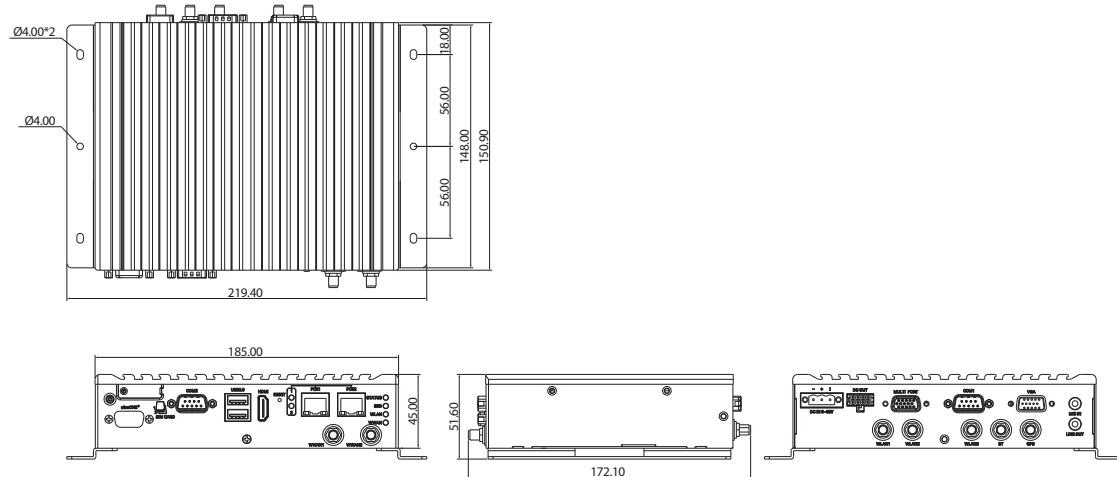
### Operating System

- Windows 7, WES7
- Windows 8, WES8
- Windows 10
- Linux (by request)

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### Dimension Drawing



#### Dimensions

- 185mm (W) x 150.9mm (D) x 45mm (H) (7.28" x 5.94" x 1.77")
- Weight: 1.3kg (2.9lbs)

#### Environment

- Temperature:
  - Operating temperatures: -40°C to 70°C (w/o PoE), -40°C to 60°C (w/ PoE)
  - Storage temperatures: -45°C to 85°C
  - Damp Heat Test per EN60068-2-30
- Humidity: IEC60068-2-3, Damp Heat Steady State Test, 40C, 95%, 48Hrs
- Vibration: IEC 60068-2-64, 2G
  - Operating: MIL-STD-810G, 514.6C procedure 1, category 4
  - Storage: MIL-STD-810G, 514.6E procedure 1, category 24
- Shock: MIL-STD-810G, 516.6 procedure I, trucks and semi-trailers=40g
  - Crash hazard: procedure V, ground equipment=75g

#### Standards/Certifications

- CE approval
- FCC Class A
- E13

### Ordering Information

- ♦ **VTC 1011-C2K (P/N: 10V00101102X0)**  
Intel Atom® processor bay trail E3825, 1.33 GHz with 2GB DDR3L SO-DIMM, U-blox M8N GPS module, VGA/HDMI output, 2 x PoE, 2 x RS-232 & 1 x (RS-232 (Tx/Rx)/RS-422/485), 1 x CAN 2.0B, 4 x DI & 4 x DO, 2 x USB 2.0, 1 x Line-out, 1 x Mic-in
- ♦ **VTC 1011-C2VK (P/N: 10V00101101X0)**  
Intel Atom® processor bay trail E3825, 1.33 GHz with 2GB DDR3L SO-DIMM, U-blox M8N GPS module, VGA/HDMI Output, 2 x PoE, 2 x RS-232 & 1 x (RS-232 (Tx/Rx)/RS-422/485), ultraONE+ technology support, 1 x CAN 2.0B, 4 x DI & 4 x DO, 2 x USB 2.0, 1 x Line-out, 1 x Mic-in

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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