



## Main Features

- Super slim and ruggedized design
- Intel Atom® processor Bay Trail E3815 (1.46GHz)
- Built-in 2 x CAN 2.0B, optional SAE J1939/ J1708 module
- Smart power management with Ignition on/off delay via software control and low voltage protection
- Built-in U-blox M8N GPS
- Dual SIM cards for WWAN modules
- Wide range DC input from 9 ~ 36V
- Wide operating temperature -40°C ~ 70°C
- Certified by CE/ FCC/ E13 mark

## Product Overview

VTC 1910, a super slim, rugged and entry-level vehicle computer with Intel Atom® processor E3815 (1.46GHz), is designed for the harsh in-vehicle environment. It allows to comply with stringent MIL-STD-810G military standard in rugged, fanless and compact mechanism. Because of the super slim 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 1910 has on board CAN 2.0B and optional OBD interface (SAE J1939/ J1708) for vehicle diagnostics and driver behavior management. An advanced GPS receiver supports GPS/ Glonass/ QZSS/ Galileo/ Beidou. VTC 1910 features WLAN and WWAN wireless data and voice connectivity. With external 2 x SIM socket which can support a better connectivity quality by software. VTC 1910 keeps the flexibility to meet different demands for telematics applications, such as IoT Gateway infotainment, fleet management and dispatching system.

## Specifications

### CPU

- Intel Atom® processor Bay Trail E3815, 1.46GHz

### Memory

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

### Storage

- 1 x mSATA
- 1 x SATA DOM

### Expansion

- 1 x Full size mini-PCIe socket (USB 2.0)
- 1 x Full size mini-PCIe socket (mSATA + PCIe)

### Function

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

### I/O Interface-Front

- 1 x power button with LED
- 3 x LED for WWAN, WLAN, SSD

- 1 x Reset button
- 2 x SIM socket (Micro Type) with cover
- 1 x DB9 connector for optional SAE J1939 and J1708 modules
- 1 x Line-out/ MIC-In
- 1 x Type A USB 2.0 compliant host, supporting system boot up
- 3 x antenna hole for GPS/ WWAN/ WLAN

### I/O Interface-Rear

- 1 x Phoenix connector for Power/ GND/ Ignition input
- 1 x Type A USB 3.0 compliant host, supporting system boot up
- 1 x RJ45 10/100/1000 Fast Ethernet with LED
- 1 x DB15 VGA, resolution up to 2560 x 1600 @60Hz
- 1 x DB15 for 2 x RS232 (2 x TX/ RX), 2 x CAN 2.0B, 3 x DI, 3 x DO (Default)
- (Option) 1 x DB15 for 2 x RS232 (TX/ RX), 1 x RS485 (TX/ RX), 1 x CAN 2.0B, 3 x DI, 3 x DO

### Operating System

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

The technical drawings illustrate the physical specifications of the HX-7000:

- Top View:** Shows the rear panel with connectors labeled DC IN 9-36V, USB2.0, LAN, REMOTE CARD SLOT, and VGA.
- Front View:** Displays the main body with vertical cooling fins. Dimensions include a total height of 120.0 mm, a fin height of 97.0 mm, and widths of 130.0 mm, 143.0 mm, and 156.0 mm at different levels. Mounting hole positions are specified as 33.0 mm and 66.0 mm from the left edge.
- Side View:** Shows the profile of the unit with a depth dimension of 32.0 mm.

Intel Atom® Processor Bay Trail E3815, 1.46GHz with 2GB DDR3L  
SO-DIMM, U-blox M8N GPS module, VGA Output, 1 x LAN, 2 x RS232, 2  
x CAN2.0B, 3 x DI, 3 x DO, 1 x USB 2.0, 1 x USB 3.0, 1 x Line-out/ MIC-in