



## VORTEX

### 7" Vehicle Mount Computer



IP65



MIL-STD-810H



Mark



CANBUS



9~60VDC

- ◆ Bright 7-inch PCT touch display with intuitive interface
- ◆ Diverse wireless connectivity
- ◆ Optional IO varied combination
- ◆ Rugged design with robust waterproof connectors
- ◆ Smart power management with wide power input
- ◆ IP65, MIL-STD-810H and IEC-60721-3-5 5M3 certified

Micro SIM  
Micro SD  
USB Type C



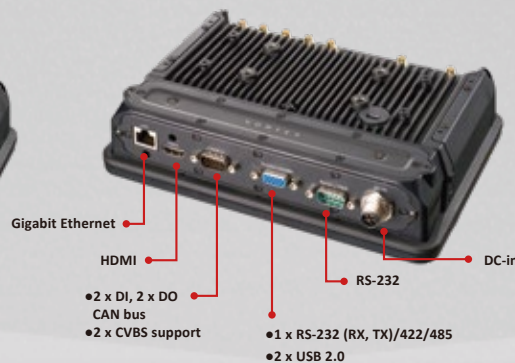
Battery



#### IO-A



#### IO-B



#### IO-C



# Specifications

## System

- ◆ Intel Core i5-1335UE up to 4.5GHz
- ◆ Optional Intel Atom x7211E up to 3.20GHz
- ◆ DDR5 SDRAM up to 16GB
- ◆ M.2 2242 SSD up to 256GB
- ◆ Built-in 6-axis IMU sensors(Accelerometer + Gyroscope), 2 x speaker
- ◆ Windows 11 IoT Enterprise GAC / LTSC

## Display

- ◆ 7" TFT LCD WSVGA (1024 x 600), 500 nits brightness
- ◆ Capacitive multi touch (PCT)
- ◆ Support auto-dimming

## Communication

- ◆ Wi-Fi 7 (IEEE 802.11be)
- ◆ Bluetooth V5.4
- ◆ Optional GNSS (GPS/Galileo/GLONASS/BeiDou/QZSS), dead-reckoning, or RTK supported
- ◆ Optional 4G LTE / HSPA+ / 5G
- ◆ Optional Satellite
- ◆ NFC by request

## I/O Interface

### IO-A : Secure type connector

- ◆ RS-232 with power supported x 1
- ◆ Gigabit Ethernet x 1
- ◆ USB Type C x 1, USB 2.0 x 2
- ◆ Micro SD slot x 1
- ◆ Micro SIM slot x 1, eSIM x 1

### IO-C : M12 type connector

- ◆ RS-232 (RX, TX)/ RS-485 x 1
- ◆ RS-232 (RX, TX)/ RS-485 x 1
- ◆ Gigabit Ethernet x 2
- ◆ DI x 3, DO x 1, CAN bus x 1
- ◆ USB Type C x 1, USB 2.0 x 2
- ◆ Micro SD slot x 1
- ◆ Micro SIM slot x 1, eSIM x 1
- ◆ Optional : Dual CAN FD/ SAE J1939 x 1

### IO-B : Generic type connector

- ◆ RS-232 with power supported x 1,
- ◆ RS-232 (RX, TX)/422/485 x 1
- ◆ Gigabit Ethernet x 1
- ◆ HDMI x 1
- ◆ DI x 2, DO x 2, CAN bus x 1
- ◆ USB Type C x 1, USB 2.0 x 2
- ◆ Micro SD slot x 1
- ◆ Micro SIM slot x 1, eSIM x 1
- ◆ Optional : Dual CAN FD/ SAE J1939 x 1/ Video input x 2

## Function Button

- ◆ Programmable button x 5
- ◆ Display On/Off x 1
- ◆ Volume adjustment x 2

## Power management

- ◆ 9 - 60 VDC input
- ◆ Vehicle power protection (ISO7637-2)
- ◆ Ignition sense with delay on/off setting
- ◆ Internal battery for graceful shutdown

## Rugged Features

- ◆ Ingress Protection
- ◆ IO-A, IO-C: IEC 60529 IP65
- ◆ IO-B: IEC 60529 IP65 (except bottom side I/O)
- ◆ Vibration (operating) : MIL-STD-810H Method 514.8 Category 4 and IEC 60721-3-5 class 5M3
- ◆ Shock (operating) : MIL-STD-810H, Method 516.8, Procedure 1, functional shock

## Environmental (Tested to MIL-STD-810H standards)

- ◆ Operating temperature :
- ◆ Atom: -30°C to 60°C, Core i5: -30°C to 55°C
- ◆ Storage temperature : -40°C to +70°C
- ◆ Humidity : 95%, non-condensing

## Mechanical Spec

- ◆ VESA MIS-C 75X35 mm
- ◆ Dimension (W x H x D) : 220 x 152 x 53 (mm)
- ◆ Weight : 1.67kg

# Accessories



Mounting Kit



WWAN Antenna



WIFI / BT Antenna



Fan Kit



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