

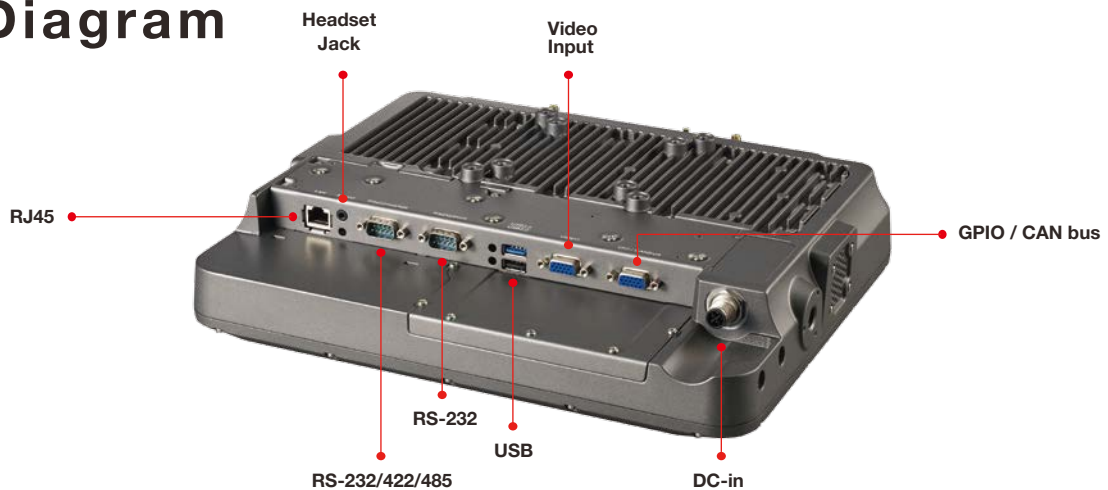
**ruggVMC**  
**VX-601**  
12.1" Rugged  
In-Vehicle Terminal



- ◆ The high brightness display supports auto-dimming and defroster
- ◆ Extremely sturdy design to conquer tough task
- ◆ Health readiness via SAE J1939/ OBDII

- ◆ Rich I/O design for maximum utilization
- ◆ Wide power input to fulfill diversified applications
- ◆ Smart power management with ignition sense and backup battery

**I/O Diagram**



## Specifications

### System

- ◆ Intel® Core™ i5-6300U 2.4 GHz, optional Intel® Celeron® 3955U 2 GHz
- ◆ 4 GB DDR3L SODIMM, expandable to 8 GB
- ◆ M.2 2280 SSD, SD slot
- ◆ Built-in 3-axis G-sensor, dual speaker
- ◆ Windows 10 IoT Enterprise, Windows 7 Professional Embedded

### Display

- ◆ 12.1-inch XGA TFT LCD with LED backlight (1024 x 768)
- ◆ 700 / 1200 nits brightness support auto-dimming
- ◆ 5-wire resistive touch, optional defroster function
- ◆ PCT by request

### Communication

- ◆ Wi-Fi 802.11 a/b/g/n/ac
- ◆ Optional 4G LTE / GPRS / HSPA+
- ◆ Bluetooth V4.0 Class 2
- ◆ Optional GNSS (GPS / QZSS or GLONASS)

### Function Button

- ◆ Programmable button x 9, brightness adjustment x 2, volume adjustment x 2, display on / off x 1
- ◆ Optional defrost / defog button x 1

### I/O Interface

- ◆ RS-232 with power supported x 1, RS-232/422/485 x 1
- ◆ USB 3.0 / 2.0 x 1, USB 2.0 x 1
- ◆ Gigabit RJ45 x 1
- ◆ CAN bus (SAE J1939 / OBD II supported) x 1

### I/O Interface

- ◆ GPIO x 2
- ◆ Audio headset jack x 1
- ◆ Optional video input x 4
- ◆ DC-in x 1

### Power management

- ◆ 9-60 VDC input
- ◆ Ignition sense with time delay shutdown
- ◆ Remote power on, wake on SMS / RTC
- ◆ UPS backup battery (10.8V, 4500 mAh)

### Rugged Features

- ◆ IEC 60529 IP66
- ◆ Vibration (operating) : MIL-STD-810G, Method 514.7 c2/c3/c4 IEC 60721-3-5 class 5M3
- ◆ Shock (operating) : MIL-STD-810G, 40G at 11 ms Terminal / Sawtooth
- ◆ Salt fog : MIL-STD-810G, Change1, Method 509.6
- ◆ Operating temperature : -30°C to 55°C (-22°F to 131°F)

### Mechanical Spec

- ◆ VESA 75 / 100
- ◆ Dimension (W x H x D) : 325 x 262 x 67.3 (mm)
- ◆ Weight : 4.6kg

### Software

- ◆ DashON

## Ordering Information

### ◆ VX-601-R

VX-601 with Intel Core i5-6300U 2.4 Ghz, 4 GB DDR3L, 64 GB M.2 and WIFI / BT

### ◆ VX-601-RD

VX-601 with Intel Core i5-6300U 2.4 Ghz, 4 GB DDR3L, 64 GB M.2, and WIFI / BT, and defrost function

### ◆ VX-601-RS

High brightness VX-601 with Intel Core i5-6300U 2.4 Ghz, 4 GB DDR3L, 64 GB M.2, and WIFI / BT

### ◆ VX-601C-R

VX-601 with Intel Celeron 3955U 2 Ghz, 4 GB DDR3L, 64 GB M.2, and WIFI / BT

### ◆ VX-601C-RD

VX-601 with Intel Celeron 3955U 2 Ghz, 4 GB DDR3L, 64 GB M.2, and WIFI / BT, and defrost function

### ◆ VX-601C-RS

High brightness VX-601 with Intel Celeron 3955U 2 Ghz, 4 GB DDR3L, 64 GB M.2, and WIFI / BT

## Peripherals



Mounting Kit



Power Cable



Antenna



U-shaped Bracket