



VULCAN 12X

12.1" Vehicle Mount Computer



IP66



MIL-STD-810G



1200 nits



Defrost / Defog



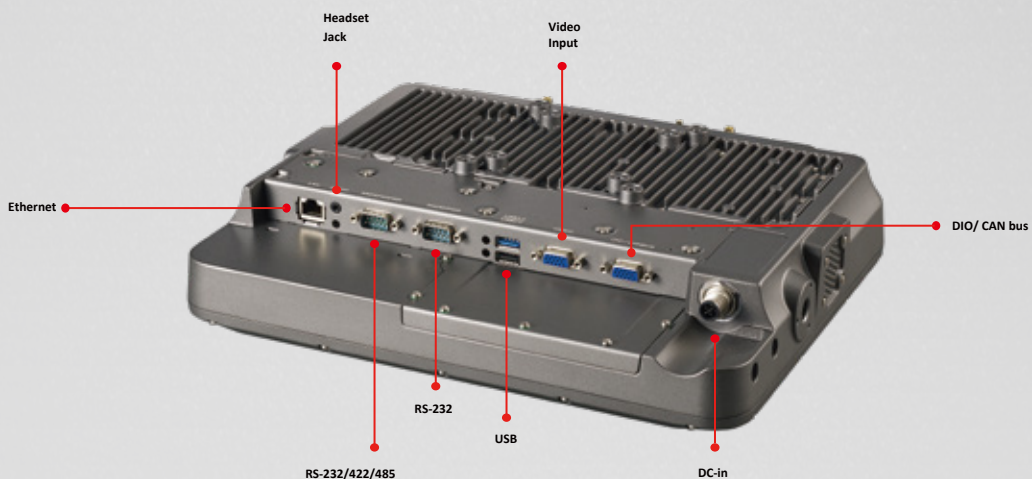
SAE J1939



Salt Fog

- ◆ The high brightness display supports auto-dimming and defroster
- ◆ Extremely sturdy design to conquer tough task
- ◆ Health readiness via SAE J1939
- ◆ 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 2.4GHz, optional Intel® Celeron® 3955U 2GHz
- ◆ 4GB DDR3L SODIMM, expandable to 16GB
- ◆ M.2 2280 SSD, SD slot
- ◆ Built-in 3-axis G-sensor, dual speaker
- ◆ Windows 10 IoT Enterprise

Display

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

Communication

- ◆ Gigabit Ethernet (RJ45)
- ◆ Wi-Fi 802.11 a/b/g/n/ac
- ◆ Optional 4G LTE / HSPA+ / GPRS
- ◆ 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
- ◆ CAN bus (SAE J1939 supported) x 1
- ◆ DI x 2, DO x 2
- ◆ Audio headset jack x 1
- ◆ Optional video input x 4
- ◆ DC-in x 1

Certifications

- ◆ CE, FCC, CB

Power management

- ◆ 9~60 VDC input
- ◆ Ignition sense with delay on/off setting
- ◆ Wake on 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 11ms Terminal / Sawtooth
- ◆ Salt fog : MIL-STD-810G, Change1, Method 509.6

Environmental (Tested to MIL-STD-810G standards)

- ◆ Operating temperature -30°C to +55°C
- ◆ Storage temperature -40°C to +70°C
- ◆ Humidity 95%, non-condensing

Mechanical Spec

- ◆ VESA 75 / 100
- ◆ Dimension (W x H x D) : 325 x 280 x 696 (mm)
- ◆ Weight : 4.8 kg, 4.9 kg with IPBOX

Ordering Information

- ◆ VX-601-RS
High brightness VX-601 with Intel Core i5-6300U 2.4GHz, 4GB DDR3L, 64GB M.2, and WIFI / BT
- ◆ VX-601C-R
VX-601 with Intel Celeron 3955U 2GHz, 4GB DDR3L, 64GB M.2, and WIFI / BT

Software

- ◆ DashON

Accessories



Mounting Kit



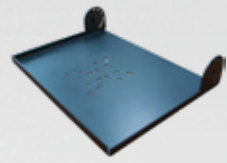
Power Cable



Antenna



U-Shape Bracket



Keyboard Tray (By request)



www.ruggon.com e-mail:info@ruggon.com

©2025 RuggON Corporation. All rights reserved. Specifications subject to change without notice.