



VX-601 Selling Feature

12.1" Ultra Rugged In-Vehicle Computer

Content

01

Specifications

02

Features &
Peripherals

03

Applications



Specifications



➤ System

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

➤ Display

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

➤ Communication

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

➤ Function Button

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

➤ I/O Interface

- Gigabit RJ45 x 1
- RS-232 with power supported x 1
- RS-232/422/485 x 1
- USB 3.0 x 1, USB 2.0 x 2
- GPIO x 2
- CAN bus (SAE J1939 / OBD II supported) x 1
- 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

➤ Durability

- IP66, MIL-STD-810G, IEC 60721-3-5 class 5M3
- 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 63.3 (mm)
- Weight: 4.6kg



Features & Peripherals

Front View



System LED Indicators

- ✓ System status
- ✓ Battery status
- ✓ Storage status
- ✓ Defrost status

Communication LED Indicators

- ✓ Wi-Fi enable
- ✓ WWAN enable
- ✓ Bluetooth enable



**Ambient Light Sensor
Internal Microphone**

Function Button

- ✓ System On/Off
- ✓ LCD turn On/Off & Defrost On/Off
- ✓ Brightness adjust
- ✓ Speaker volume adjust

Friendly Programmable Keys

You can configure the programmable buttons via uPanel to different commands or keyboard shortcuts to better fit your work style

Rear View



Service Door

- ✓ Memory : DDR3 SO-DIMM slot
- ✓ Storage : M.2 SSD
- ✓ Expansion :
 - 1 x mini PCIe for capture card or other function card
 - 1 x mini PCIe (USB signal only) for WWAN card
 - 1 x mini PCIe for Wi-Fi

Internal / External Antenna Expansion

- ✓ SMA Jack : WLAN / WWAN
- ✓ SMA Jack : GPS

Dual Loud Speaker

- ✓ 90dB SPL @3w/1M listener distance

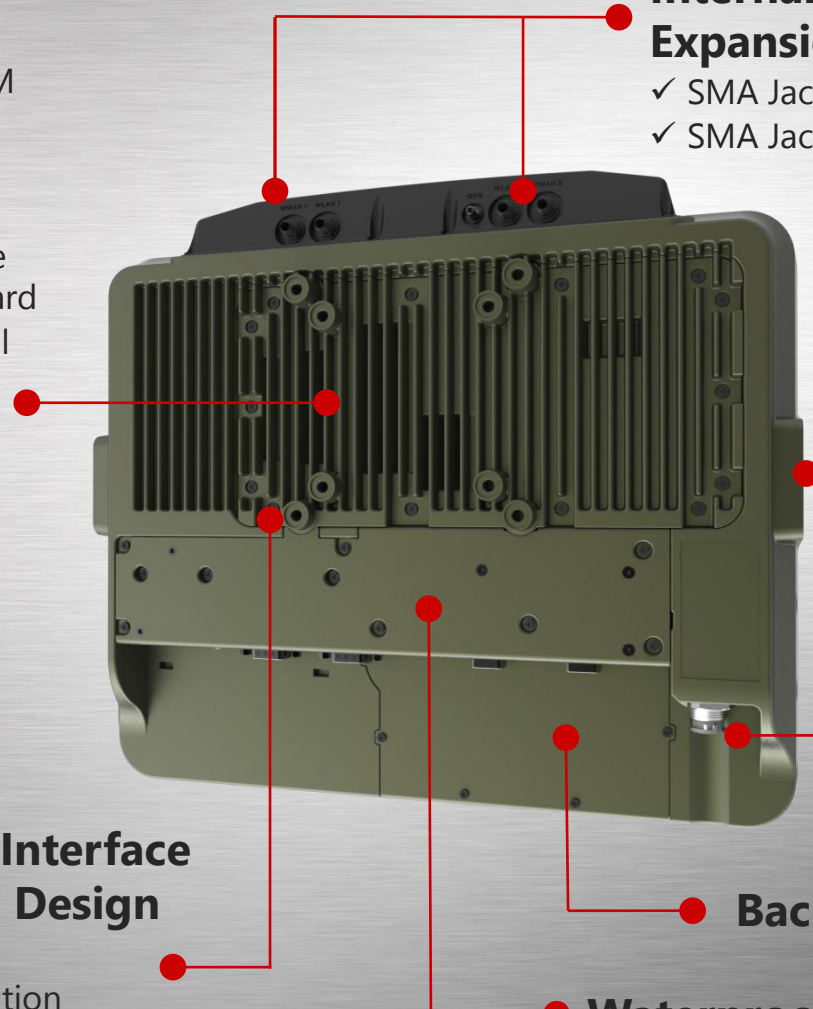
Power Connector

Backup Battery

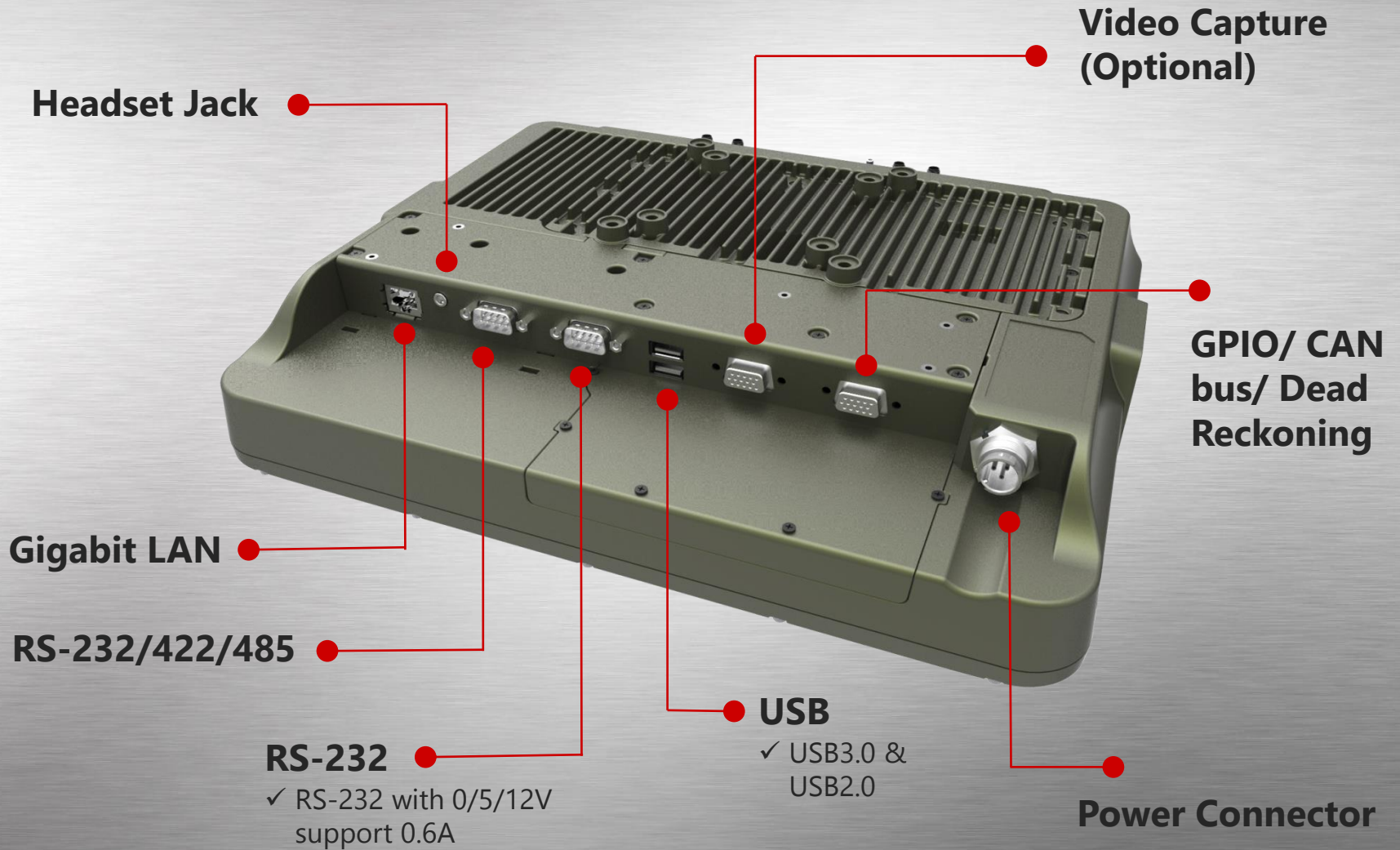
Waterproof I/O Module

Standard Mounting Interface Cable Position Fixed Design

- ✓ VESA 75 support
- ✓ Easy for mounting installation
- ✓ Strain relief clamps design



Bottom View



Superb Visibility

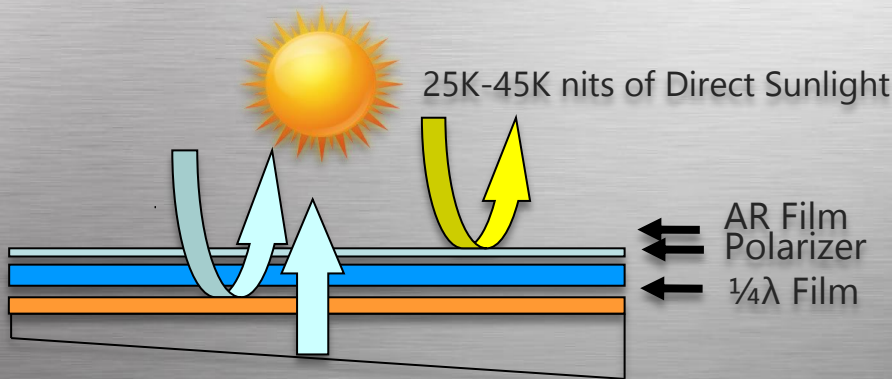


1200 nits high brightness supports auto-dimming



Brightness adjustable and auto-dimming

Anti-reflection touchscreen



Durable Features



Purpose-built for the most
challenging environments

Waterproof Connectors



Smart Power Management

- ◈ Wide power input to fulfill diversified vehicle application requirements
 - 12/24/48 VDC nominal (voltage range: 9 to 60 VDC)
- ◈ Ignition sense support with delay on/off setting
- ◈ Hand-rotate connector prevents power cord loosening

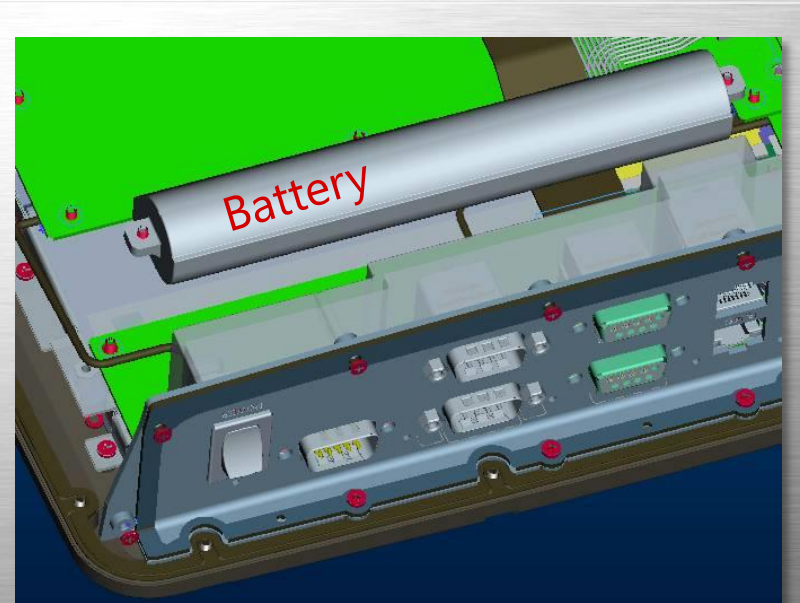


Smart Power Management

- ◆ Built-in battery pack as UPS
 - ✓ UPS to support 1.5hours working time
 - ✓ Prevent damage from suddenly power loss via UPS battery
 - ✓ Power design compliant with ISO-7637-2

REMARK

Battery Discharge function will be automatically disabled while operation temperature is over 45° C based on battery protection scheme.



Seamless Communications

- Integrated RF Antenna Inside

◆ Gigabit WiFi

Intel 802.11ac WiFi solution support both 2.4GHz and 5.2GHz bands

◆ Bluetooth

Bluetooth 4.0 standard including Bluetooth 3.0 High Speed Bluetooth 4.0 Low Energy (BLE)

◆ Optional GPS

GPS/QZSS or GLONASS

◆ Optional WWAN (Reserved)

via internal mini Card



Peripherals



Antenna



DB9 to
OBDII Cable



Power Cable

Antenna & Power Cable



Mount Kit



U-Shape Kit



Mount kit
for keyboard



Holder kit
for Barcode

Mounting Kit



Applications

Warehouse Management

Application :

Forklift for outdoor/ indoor

Requirement :

- ✓ Anti-Vibration/Shock
- ✓ IP66 grade waterproof solution
- ✓ 24/48V wide range power input
- ✓ Bluetooth to connect the barcode scanner
- ✓ Wi-Fi for real-time warehouse management



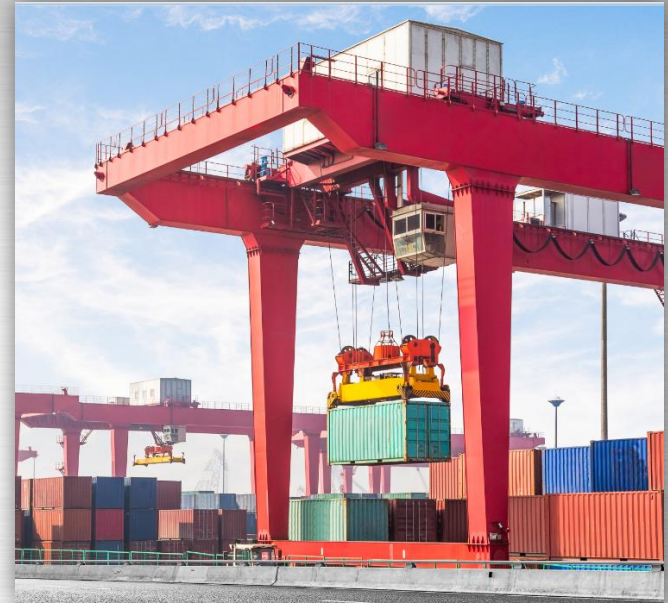
Harbor Freight

Application :

Container handling forklift and material handlers

Requirement :

- ✓ Anti-Vibration/Shock
- ✓ IP66 grade waterproof for outdoor
- ✓ 24/48V wide range power input
- ✓ Wi-Fi for real-time harbor management
- ✓ GPS



Waste Management

Application :

Garbage pick-up, Route Management, Monitoring

Requirement :

- ✓ GPS for route management
- ✓ 3.5G link to cloud database
- ✓ Backup battery kit
- ✓ Rear side, lateral side camera for safety and behavior record





THANK YOU