

VT1220

12.1" Rugged in-Vehicle Terminal



The high-performance in-vehicle terminal with the toughest structure, VT1220 is purpose-built for heavy duty application

Features

- 12.1" sunlight readable display solution
- Seamless communication
- SAE J1939/ OBDII support
- Defrost / Defog function
- UPS backup battery support
- Wide range power voltage input
- Rugged enclosure with IP66 protection

Applications

- Harbor Service
- Construction
- Emergency Service
- Waste Management
- Mining Management

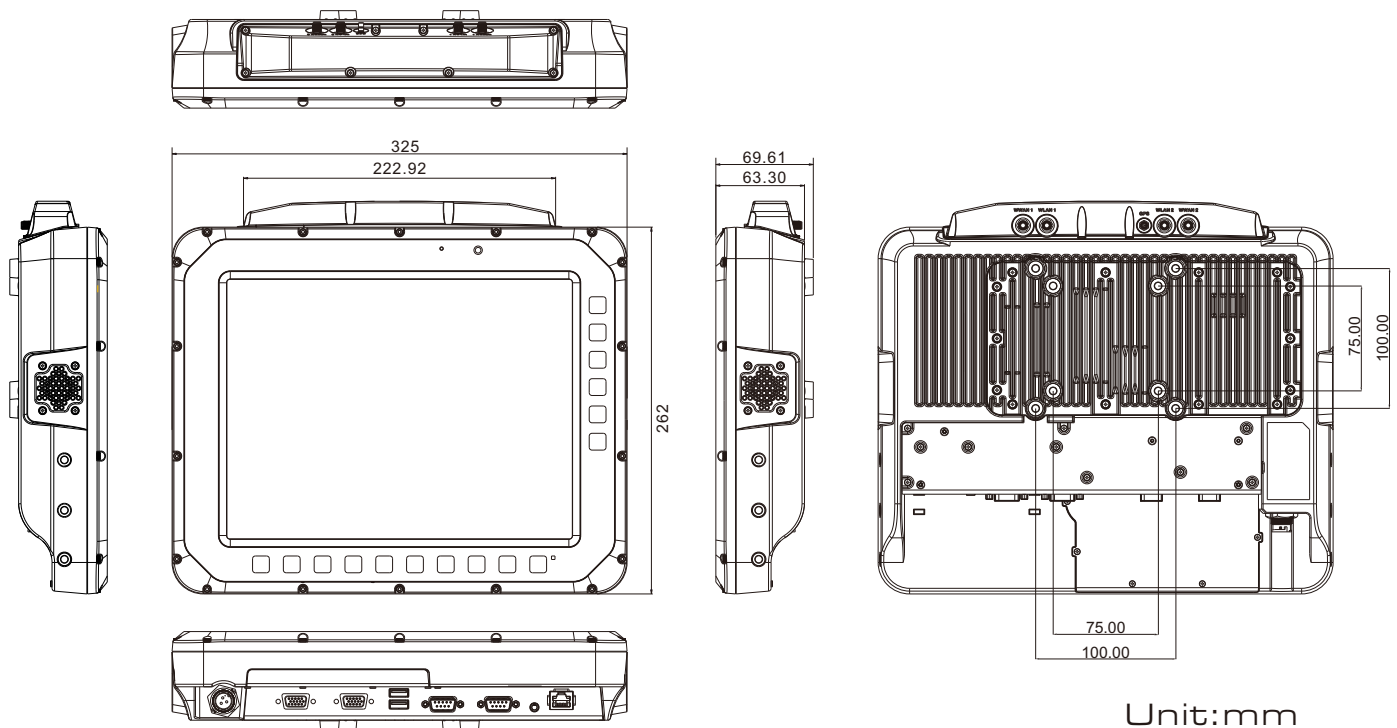


I/O Diagram

- | | |
|----------------------------|----------------------------|
| 1 DC Input | 6 RS232 (COM1) |
| 2 GPIO / CANbus / DR | 7 RS232 / 422 / 485 (COM2) |
| 3 Video Capture (Optional) | 8 Headset Jack |
| 4 USB 2.0 | 9 LAN |
| 5 USB 3.0 | |



Dimensions



Specifications

Display

- 12.1" LED backlight TFT, 1024x768 resolution
- 700/ 1300 nits brightness, support auto-dimming
- 5-wire resistive touch/ PCT (optional)

System

- Intel® Apollo Lake-I E3950 2.0GHz
- 4GB DDR3L SODIMM; upgradable to 8GB
- Two storage interface: M.2 and SD
- Built-in 3-axis G-sensor
- Built-in dual Speakers
- Windows Embedded 8.1 Industry Pro
- Win10 IoT Enterprise

Communication

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

I/O Interface

- RS232 x 1 (COM1 with power support)
- RS232 / 422 / 485 x 1
- USB 2.0 x 2, USB 3.0 x 1
- Gigabit RJ45 x 1
- CAN bus (SAE J1939/OBD II support)

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

Function Button

- Programmable button x 9
- Brightness adjustment
- Volume adjustment
- Display On/Off
- Optional defrost / defog button x 1

Power Management

- 9~60VDC input
- Ignition sense
- Remote power on, wake on SMS/RTC
- UPS backup battery

Mechanical & Environmental Spec

- Shock (operating): MIL-STD-810G 40G at 11ms Terminal/ Sawtooth
- Vibration(operating): MIL-STD-810G 514.7 c2/c3/c4 IEC 60721-3-5 class 5M3
- IP66
- VESA 75/ 100
- Operating temperature: -30° C to 55° C (-22°F to 131°F)
- Storage temperature: -40° C to 70° C (-40°F to 158°F)
- Weight: 4.6kg
- Dimension (W x H x D): 325 x 262 x 63.3 (mm)
- CE/FCC compliance

