

VT-558

7" Resistive Touch, J1900, Windows 7/10, WiFi / Bluetooth / 4G / 5G / GPS, Integrated Numeric and Function Keys, Vehicle Mount Computer



A: COM2 / DIO / CAN2.0B
B: COM1
C: USB3.0
D: USB2.0
E: LAN
F: SIM Card Slot
G: DC Power Inlet



Introduction

VT-558 is the latest generation of ruggedized vehicle mounted computer that comes with Intel Baytrail platform processor and Windows Embedded Standard or Professional operating system. It harnesses full Microsoft® Windows® computing power in a mobile environment, optimizes application and network management compatibility while remaining flexible enough to run multiple advanced applications.

VT-558 incorporates 7-inch industrial resistive touch screen, 8~36V wide-range DC input with power ignition function, optional 802.11 a/b/g/n/ac, Bluetooth V4.0, full Netcom LTE/3.5G, GPS/GNSS/Beidou, CAN2.0B modules that adapt itself to application in warehousing forklift, logistics, container trucks and so on. It meets the STD-MIL-810G of anti-shock and anti-vibration, IP65 standard of dust and water proof which enable it operating freely in the most demanding environment.

Features

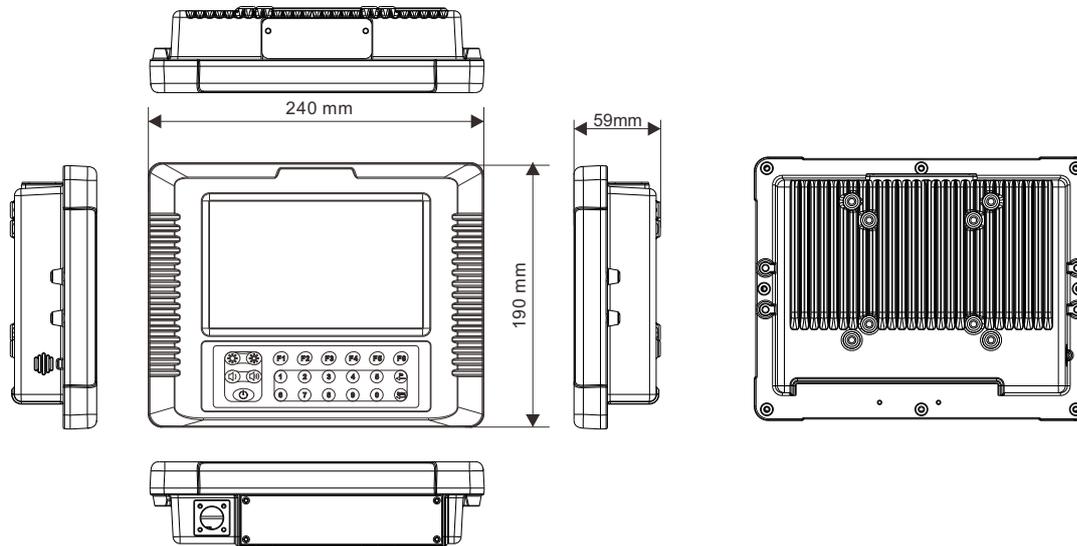
- 7" LED backlight panel with resistive touch screen
- Integrated numeric and function keys
- Rugged aluminum enclosure and fanless design
- IP65 dust/water protection
- Meet MIL-STD 810G standard anti-vibration shock
- Wide range 8-36V DC Power input with ignition control
- VESA 75 and 100 standard mounting
- Flexible expansion capability for WiFi, Bluetooth, LTE/HSPA+/EVDO, GPS, CAN2.0B

Applications

- Port and Container Yards
- Manufacturing Logistics
- Warehouse Management
- Heavy Duty Vehicle
- Fleet Management



Dimensions



Specifications

System

Processor	Intel® Quad-Core Celeron J1900 (2.0GHz)
System Memory	4GB SO-DIMM DDR3L-1333 (up to 8GB)
Storage	32GB mSATA SSD (up to 512GB)
Operating System	Windows 10 IoT Enterprise LTSC Windows 7 Professional Windows Embedded Standard 7

Display

Size	7-inch
Resolution	800 x 480
Brightness	500 nits
Backlight	LED Backlight

Touch Screen

Type	4-Wire Resistive Touch
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Keypad & Keyboard

Keypad	Power On/Off Brightness and Volume Adjustment 0-9 Numeric Keys F1-F6 Function Keys Backspace, Enter
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I/O Connectors

Series Port	1 x RS-232/422/485 (COM1, full-function, Pin9 can be set to RI,5V or 12V by jumper) 1 x RS-232 (COM2, full-function, Pin9 can be set to RI or 5V by jumper)
USB Port	1 x USB2.0 1 x USB3.0
LAN Port	1 x GbE LAN (RJ-45)
DI/DO	4DI/2DO (Optional, with 3.3V power, substitute COM2)
CAN Bus	2 x CAN2.0B (Optional, compatible CAN2.0A, support J1939 protocol and in accordance with ISO 11898-1/2/3, substitute COM2)
Others	1 x SIM Card Slot (push and push) 1 x Power Connector 2/3/4 x TNC Connectors for External Antenna (WiFi, Bluetooth, WWAN, GPS) 1 x Battery Switch

RF Communication

WLAN	802.11a/b/g/n (Optional, CCX v4 Certified) 802.11a/b/g/n/ac (Optional)
WWAN	4G LTE (Optional)
Bluetooth	Bluetooth 4.0 (Optional)
GPS	Ublox M8, support GPS/GLONASS/Galileo/Beidou (Optional)

Audio

Speaker	1 x Speaker (8Ω, 2W)
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Power Management

Power Input	8-36V DC
Power Consumption	12W typ.
Ignition On/Off	Power on delay, default 10 seconds; Power off delay, default 10 seconds; (On/Off delay time can be changed via BIOS setting)
UPS Battery	3350mAh/7.2V (Optional)

Environmental

Operating Temperature	-20~60°C
Relative Humidity	5%-95%, non-condensing
IP Proof	IP65 (I/O interface must be closed)
Shock and Vibration	Shock: MIL-STD-810G Method 516.6 Procedure I Vibration: MIL-STD-810G Method 514.6 Procedure I
Certifications	CE, FCC

Mechanical

Housing	Aluminum
Dimension (WxLxH)	240 x 190 x 59 mm
Weight	1.8 Kg