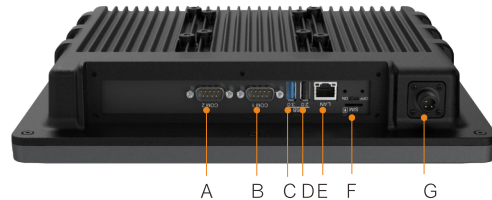


VT-858K

12.1", Resistive / Capacitive Touch, J1900, Windows 7/10, WiFi / Bluetooth / 4G / 5G / GPS, Vehicle Mount Computer



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



Introduction

VT-858K 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.

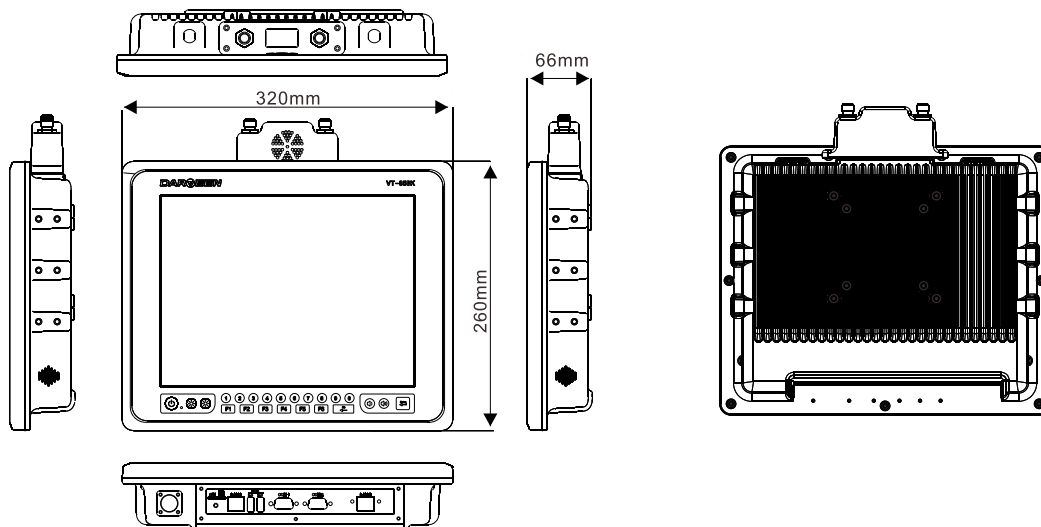
VT-858K incorporates 12.1-inch industrial resistive touch screen, 8~36V wide-range DC input with power ignition function, optional 802.11 a/b/g/n/ac, Bluetooth V4.0, full Netcom LTE/3.5G, GPS/GNSS/Beidou, CAN2.0B modules that adapt itself to application in warehousing forklift, logistics, container trucks and so on. It meets the MIL-STD810G of anti-shock and anti-vibration, IP65 standard of dust and water proof that enable it operating freely in the most demanding environment

Features

- 12.1" LED backlight panel with resistive capacitive touch screen
- Rugged aluminum enclosure and fanless design
- IP65 dust/water protection
- Front panel intergrated Numeric and Function keys
- 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, GPS, CAN2.0B



Dimensions



Specifications

System

Processor	Intel Quad-Core Celeron J1900 (2.0GHz)
System Memory	4GB SO-DIMM DDR3L-1333 (up to 8GB)
Storage	128GB mSATA SSD (up to 256GB)
Operating System	Windows 10 IoT Enterprise LTSC Windows 7 Professional Windows Embedded Standard 7

Display

Size	12.1-inch
Resolution	1024 x 768
Brightness	500 nits
Backlight	LED Backlight

Touch Screen

Type	VT-858K: 5-Wire Resistive Touch screen VT-858K-C: Multi-touch Capacitive Touch screen
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Keypad & Keyboard

Keypad	Power On/Off Brightness and Volume Adjustment Power LED Indicator 0-9 Numeric Keys F1-F6 User-defined Function Keys Enter and Backspace
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I/O

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	4G LTE (Optional)
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/ac (Optional)
WWAN	4G LTE (Optional)
Bluetooth	Bluetooth 4.0 (Optional)
GPS	SIRF III GPS/GLONASS (Optional) Beidou GPS (Optional) U-Blox GPS (Optional, 2.5 meters positioning accuracy)

Audio

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

Power Input	8~36V DC
Power Consumption	16W 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 (W x L x H)	320 x 260 x 66 mm
Weight	3.8 Kg