

Model No.	VT-766AK
Display	
Size	10.1 inch (16:10)
Touch Type	Projected capacitive multi touch
Display Type	TFT LCD
Resolution	1920 x 1200
Luminance	1000 nits
Contrast Ratio	1500: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.7M
System	
CPU	Qualcomm QCM4490, octa-core A78+A55 (2.2 GHz)
Memory	8GB LPDDR4x on board
Storage	128GB EMMC on board
Keypad & Keyboard	
Keypad	70-keys QWERTY Keyboard F1-F24 Function Keys, 0-9 Number and A-Z Alpha Keys All Keys LED Backlight, Independent Switch Control, Day and Night Mode
I/O Ports	
USB	1x USB OTG (Type A) 1x USB2.0 (Type A)
Serial	2x RS-232 (DB9)
Ethernet	1x LAN (RJ45)
SIM Card Slot	1x SIM Socket
Antenna	7x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GNSS)
RF Communication	
Wi-Fi	WiFi 6E, 2.4G/5G/6G, 802.11a/b/g/n/ac/ax/d/e/h/i/k/v/r/w/mc
Cellular	5G (NSA/SA), 4G (FDD/TDD)
Bluetooth	Bluetooth 5.2
GNSS	GPS, GLONASS, BeiDou
Audio	
Speaker	8Ω/2W, dual studio speakers
Power	
DC Input	8 to 36VDC
Power Consumption	18W (Typ.)
Power Mode	ATX (default), AT
Operating System	
Android	Android 13
Mechanical	
Dimensions (W x D x H)	TBD
Weight (N.W.)	TBD
Mounting Mode	VESA 75 and 100
Material	Die-casting Aluminum with Heavy Duty Metal
Environment	
Operating Temperature	-30 to 60°C (-22~140°F)
Storage Temperature	-40 to 70°C (-40~158°F)
Relative Humidity	95% @ 70°C (158°F), non-condensing
Shock	MIL-STD-810H Method 514.8 Procedure I
Vibration	MIL-STD-810H Method 516.8 Procedure I
IP Rating	IP66 compliant
Certification	
EMC	CE, FCC
Optional Accessories	
Part No.	Description
PWR836D512-M12	8-36VDC Input, 5V/12VDC Output, M12 connector
Ordering Information	

Part No.	Description
VT-766AK-DA0BB-A01	VT-766AK + CTP(1000) + QCM4490 + 8GB + 128GB + Android 132 + WiFi6E + Bluetooth5.2 + 5G(EAU) + GNSS + TNC(1)-WiFi_M + TNC(2)-Bluetooth + TNC(3)-5G_1 + TNC(4)-5G 2 + TNC(5) 5G 3 + TNC(6) 5G 4 + TNC(8)-GPS;