

Model No.	VT-677WK
Display	
Size	8 inch (16:9)
Touch Type	Projected capacitive multi touch
Display Type	TFT LCD
Resolution	1280 x 720
Luminance	750 cd/m²
Contrast Ratio	1000: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.2M
System	
CPU	Intel® Alder Lake-N97, Intel 7, 4-core, up to 3.6GHz
Chipset	Intel® Alder Lake-N Platform
Memory	4GB DDR4-2666 SO-DIMM (up to 16GB)
Storage	128GB M.2 SSD (up to 2TB)
Graphics	Intel® UHD Graphics
BIOS	AMI UEFI BIOS
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	4x USB 3.0 (Type A) 2x USB 2.0 (Type A)
Serial	1x RS-232 (COM1, DB9)
Ethernet	2x GbE LAN (RJ45)
Audio	3.5mm Audio Jack (Mic-in/Line-out)
SIM Card Slot	1x SIM Socket
Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)
RF Communication	
Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)
Cellular	4G, LTE (optional) 5G, NSA/SA (optional)
Bluetooth	Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)
GNSS	GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)
Audio	
Speaker	8Ω/2W, dual studio speakers
Power	
DC Input	8 to 36VDC
Power Consumption	18W (Typ.)
Ignition On/Off	TBD
Battery	/
Power Mode	ATX (default), AT
Operating System	
Windows	Windows 11 IoT Enterprise LTSC Windows 10 IoT Enterprise LTSC Windows 11 Pro Windows 10 Pro
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 to 140°F)
Storage Temperature	-40 to 70°C (-40 to 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
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Optional Accessories

Part No.	Description
PWR836D512-M12	8-36VDC Input, 5V/12VDC Output, M12 connector

Ordering Information

Part No.	Description
VT-677WK-D401B-A01	VT-677WK + CTP(750) + N97 + 4GB + 128GB + WiFi6E(AX210) + Bluetooth(AX210) + 4G(EC20) + GPS(UG-M80) + TNC(1)-WiFi_M + TNC(2)-Bluetooth + TNC(3)-4G M + TNC(8)-GPS;