

RUGGED TABLET RT 509



High Performance Rugged Tablet PC
based on the latest Intel CPU New Generation, Amber Lake.



Intel Core i5
8GB Ram, 256GB Storage
Display 8.1 inch with 2K resolution
WiFi, Bluetooth, 4G LTE
Docking and Vehicle Cradle
Windows 10 Pro/IoT

Model	RT 509		
Operating System	Microsoft Windows 10 Professional 64-bit	Windows 10 IoT Enterprise on request *	
Computing Platform	Intel Core i5-8200Y	2 Cores, 4 Threads, up to 3.90GHz	
System Memory	8GB		
Storage	256GB SSD		
Graphic	Intel UHD Graphics 615	4K support, Dual Display support	
Display	8.1 inch	IPS technology (and Sunshine readable *)	
Resolution	1920 x 1200	2K resolution display, 16:10 Portrait or Landscape, automatic screen rotation	
Touchscreen	Capacitive multi-touch	User selectable by finger, pen and glove	
Ethernet *	Gigabit Ethernet 1000Mbit/s		
Bluetooth	Bluetooth 4.2 wireless technology		
Wireless	IEEE 802.11a/b/g/n/ac compatible	2.4GHz and 5.0GHz, Dual Band support	
Cellular network	4G LTE	Data	
Location	Built-in GPS, GLONASS, Galileo, BeiDou	A-GPS support	
Sensors	Ambient Light sensor, 3-axis Motion sensor, Magnetometer, Proximity sensor		
Audio	Mono Speaker and Headphone		
Camera	5MP front, 13MP rear	AutoFocus rear camera	
Keyboard	Power button, Volume up/down, Barcode scanner (and 2 programmable buttons *)		
Interfaces	USB 3.2	x2 Type-A	
	RJ45 ethernet port *	x1	
	DB9 serial RS-232 *	x1	
	HDMI	x1	
	Micro SD Memory Card Slot	x1	
	SIM Card	x1	
	3.5mm Headphone jack	x1	
	Charging - DC In power jack	x1	
	Docking connector	x1	
	Expansion Slots *	Built-in Barcode reader	1D and 2D barcode support
		Built-in NFC reader	13.56MHz, front reading
		UHF RFID	
	Security	High precision GPS	
Trusted Platform Module (TPM) 2.0			
Power	Built-in Fingerprint reader *	up to 5 fingerprints stored	
	Built-in rechargeable lithium-ion battery	6000mAh Replaceable battery by Ruggtek authorised reseller Input: 100-240VAC, 50/60Hz, Output: 12VDC, 4A	
Cooling System	AC/DC Power Adapter Fanless design - No fan. No noise.		
Dimensions	Width 234mm, Height 144mm, Depth 17mm		
Weight	approx.700g		
Environment **	Display	Corning Gorilla Glass	
	Touch screen	7H anti-scratch surface	
	Drop Resistance	1.22m	
	Dust Resistance	IP6x	
	Water Resistance	IPx5	
	Operating Temperature	-10 °C to 50 °C	
	Humidity	0% to 90% relative humidity, non-condensing	
	Vibration & Shock	In accordance with MIL-STD-810G	
Regulatory	CE, MIL-STD-810G, WEEE, RoHS		
Ordering Code	RT 509, 8GB RAM, 256GB SSD, OS Windows		
Included in the box	Hand holder, Power Adapter, Cables, Quick User Guide, Warranty document		
Accessories *	User replaceable anti-glare screen protector, Capacitive Pen with soft rubber,		
	Office Docking with Battery Charger, Rugged Docking for wall-mount,		
	Vehicle Docking, combinations RAM and VESA holder, Power Adapter for Vehicle, Shoulder strap, Bluetooth Keyboard, Special cable for RJ45 port, Special cable for RS-232 port.		

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* Optional

** Tested by an independent third-party lab following CE, MIL-STD-810G and IEC 60529.

New! the product will be available from Q2 - 2022.

Specifications given herein may be changed at any time without any notice.

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