RUGGTEK
RUGGED MOBILE COMPUTER

RUGGED TABLET RT 509

8" ⊞

High Performance Rugged Tablet PC
based on the Intel Core i5 with 8GB memory RAM.

Windows 10/11
Display 8" Multi-Touch
Sunlight Readable
Touchscreen with Thick Gloves
8GB Ram, 256GB Storage
Wireless, Bluetooth & Cellular Network

www.ruggtek.com

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Model	RT 509	
Operating System	Microsoft Windows 11 Professional	Windows 10 Professional on request *
		Windows IOT Enterprise LTSC *
Computing Platform	Intel Core i5-8200Y	2 Cores, 4 Threads, up to 3.90GHz
System Memory	8GB	
Storage	256GB	up to 1TB ***
Graphic	Intel UHD Graphics 615	4K support, Dual Display support
Display	8.1 inch	IPS technology, 500nits
		On request high brightness, Sunlight readable *
Resolution	1920 x 1200	2K resolution display, 16:10
		Portrait or Landscape, automatic screen rotation
Touchscreen	Capacitive	Multi-touch by finger and pen
		On request touch by industrial thick gloves *
Bluetooth	Bluetooth 5.0 wireless technology	Class 2
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 GNSS	Support GPS, Glonass and Assisted GPS
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 control, Barcode scanner button (and 2 programmable buttons ***)	
Interfaces	USB port	x3 Type-A
	DB9 serial RS-232 *	x1 external cable
	HDMI	x1
	SIM Card Slot	x1
	Headphone	x1 Line Out 3.5mm
	Charging - DC In power	x1 by Jack
	Docking connector	x1
Expansion Slots *	Built-in Barcode scanner	1D and 2D barcode support
	Built-in NFC reader	ISO 14443-A/B, ISO 15693
	High precision GNSS	Multi-Constellation, centimetre precision
	UHF RFID module ***	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
	External GNSS connector ***	
Security	Trusted Platform Module (TPM) 2.0	
	Built-in Fingerprint scanner module ***	Security Systems of Biometrics
	Built-in Fingerprint unlocking module ***	Unlocking Function for operating system
Power	Built-in rechargeable lithium-ion battery	5000mAh, ample power for a full shift
		Replaceable battery by Ruggtek authorised reseller
	AC/DC Power Adapter	Input: 100-240VAC, 50/60Hz, Output: 12VDC, 4A
Cooling System	Fanless design - No fan. No noise.	
Dimensions	Width 234mm, Height 144mm, Depth 17mm	
Weight	approx.700g	
Environment **	Operating Temperature	-20 °C to 60 °C
	High & Low, Shock Temperature	in accordance with MIL-STD-810G
	Humidity	0% to 90% relative humidity, non-condensing
	Dust Resistance	IP6x
	Water Resistance	IPx7
	Drop Resistance	1.22m
	Solar Radiation, Altitude, Vibration and Shock	in accordance with MIL-STD-810G
Regulatory	CE, FCC, MIL-STD-810G, WEEE, RoHS	
Ordering Code	RT 509, 8GB RAM, 256GB SSD, OS Windows	
	RT 509-HB, High Brightness Display, 8GB RAM, 256GB SSD, OS Windows	
	RT 509-TG, Touchscreen by Gloves, 8GB RAM, 256GB SSD, OS Windows	
Included in the box	Hand holder, Power Adapter, Quick User Guide, Warranty document	
Accessories *	Tempered Glass hardness 9H for anti-shock and anti-scratch, Rubber-tipped Pen,	
	Spare Battery, Office Docking with Battery Charger, Vehicle Docking with interfaces,	
	Rugged Cradle holder, Adapter for Ethernet RJ45 port, Cable for RS-232 port,	
	Adapter for cigarette lighter socket, AC/DC Power Adapter, Bluetooth Keyboard.	
Services *	Extended warranty up to 3/5 years, Battery protection, Accidental damage cover, Fast swapping.	

* Optional
** Tested by an independent third-party lab following CE, MIL-STD-810G and IEC 60529.
*** Non-Standard Part, assembly by request. A minimum order quantity (MOQ) is required.

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