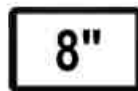# RUGGED TABLET RTL 509

8"

High Performance Tablet Core i5
based on the Ubuntu LTS – Long Term Support.

Linux Ubuntu
Display 8" Touchscreen
Sunlight Readable
8GB Memory Ram
Wireless, Bluetooth & Cellular Network
Docking and Vehicle Cradle

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RUGGTEK
RUGGED MOBILE COMPUTER

Model	RTL 509	
Operating System	Linux Ubuntu 24.04 LTS	Debian, Fedora, SUSE ***
Computing Platform	Intel Core i5	2 Cores, 4 Threads, up to 3.90GHz
System Memory	8GB	
Storage	256GB	
Graphic	Intel UHD Graphics 615	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 orientation by software
Touchscreen	Capacitive	Multi-touch by finger and pen
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	-	
Sensors	-	Light sensor by software
Audio	Mono Speaker and Headphone	
Camera	-	
Keyboard	Power button, Volume control	
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
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	RTL 509, 8GB RAM, 256GB SSD, OS Windows	
	RTL 509-HB, High Brightness Display, 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, Cable for RS-232 port,	
	Adapter for cigarette lighter socket, AC/DC Power Adapter.	
Services *	Extended warranty up to 3/5 years, Battery protection, Accidental damage cover, Fast swapping.	

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* 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.