RUGGTEK
RUGGED MOBILE COMPUTER

RUGGED TABLET RTL 412

12"

The popular and modern platforms for embedded solutions based on the Intel CPU New Generation: Jasper Lake.

Linux Ubuntu
Display 12" Touchscreen
8GB Memory Ram
Wireless & Bluetooth
Cellular Network
Keyboard with Touchpad

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Model	RTL 412	
Operating System	Linux Ubuntu 22.04.3 LTS	Debian, Fedora, SUSE ***
Computing Platform	Intel N5100	4 Cores, 4 Threads, up to 2.80GHz
System Memory	8GB	
Storage	128GB	
Graphic	Intel UHD Graphics	Dual Display support
Display	12.2 inch	IPS technology, 650nits
Resolution	1920 x 1200	2K resolution display, 16:10
		Portrait or Landscape orientation by software
Touchscreen	Capacitive	Multi-touch by finger and pen
Ethernet	Gigabit Ethernet 1000Mbit/s	
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 (or 5G ***)	Data
Location	-	
Sensors	-	Light sensor by software
Audio	Speaker and Headphone	
Camera	-	
Keyboard	Power button, Volume control	
Interfaces	USB port	x4 Type-A and Type-C
	RJ45 ethernet port	x1
	DB9 serial RS-232	x1
	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 dual battery	6300+1000mAh, ample power for a full shift
	Power Management Hot Swap	End-user replaceable battery
	AC/DC Power Adapter	Input: 100-240VAC, 50/60Hz, Output: 12VDC, 4A
Cooling System	Fanless design - No fan. No noise.	
Mounting	VESA mount	
Dimensions	Width 319mm, Height 216mm, Depth 23.4mm	
Weight	approx.1500g	
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	IPx5
	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 412, 8GB RAM, 128GB SSD, OS Linux	
Included in the box	Carry Handle, 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, Shoulder strap, Office Docking with Battery Charger,	
	Rugged Cradle holder, Rugged Docking with interfaces, Vehicle Docking with interfaces,	
	Adapter for cigarette lighter socket, AC/DC Power Adapter, Removable Keyboard.	
Services *	Extended warranty, 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.