

M08R2 8" Rugged Industrial Tablet



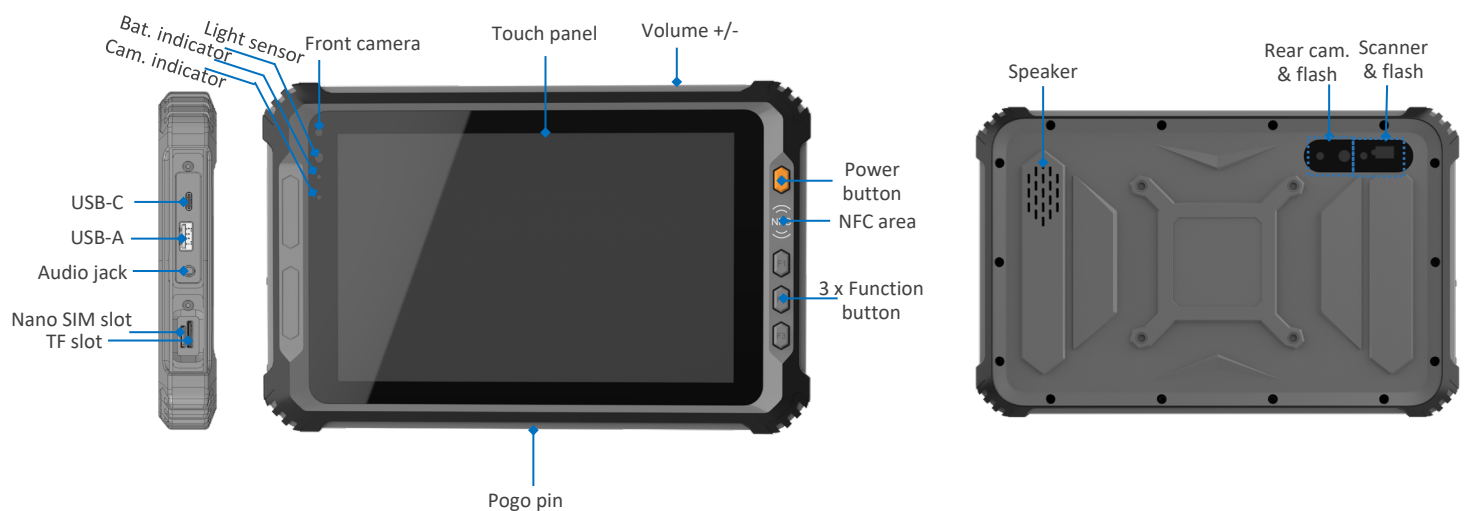
Product Brief

Vantron M08R2 rugged industrial tablet is powered by a MediaTek octa-core high-performance processor, delivering exceptional processing power and fast system responsiveness. It features an 8-inch HD IPS display with a multi-touch PCAP touch screen, providing optimal visibility for improved outdoor usability.

Built with an ergonomics design, M08R2 is lightweight and slim, with a strap that helps reduce hand fatigue during extended usage. It is IP65-rated and has been tested from 1.5 meters, ensuring reliable performance in harsh environments. M08R2 also integrates a high-precision 1D/2D barcode scanner for quick, accurate data capture. It supports LTE CAT 4, Wi-Fi, and Bluetooth connectivity for seamless wireless communication. In addition, it includes GNSS and NFC functionalities for advanced location tracking and secure data exchange.

M08R2 offers a robust suite of features that enhance workflow efficiency, accuracy, and reliability, making it an ideal choice for industries such as warehousing, manufacturing, and healthcare, where enterprise-level productivity and operational effectiveness are paramount.

Exterior and Features



MediaTek octa-core high-performance processor



Large storage capacity for faster responsiveness



8" HD IPS display, 400 nits, OCA bonding



Integrated high-precision 1D/2D barcode scanner



Dual-band WLAN, BT 5.0, LTE CAT 4, NFC, GNSS integrated



IP65-rated, 1.5m drop tested



Pogo pin for user expansion



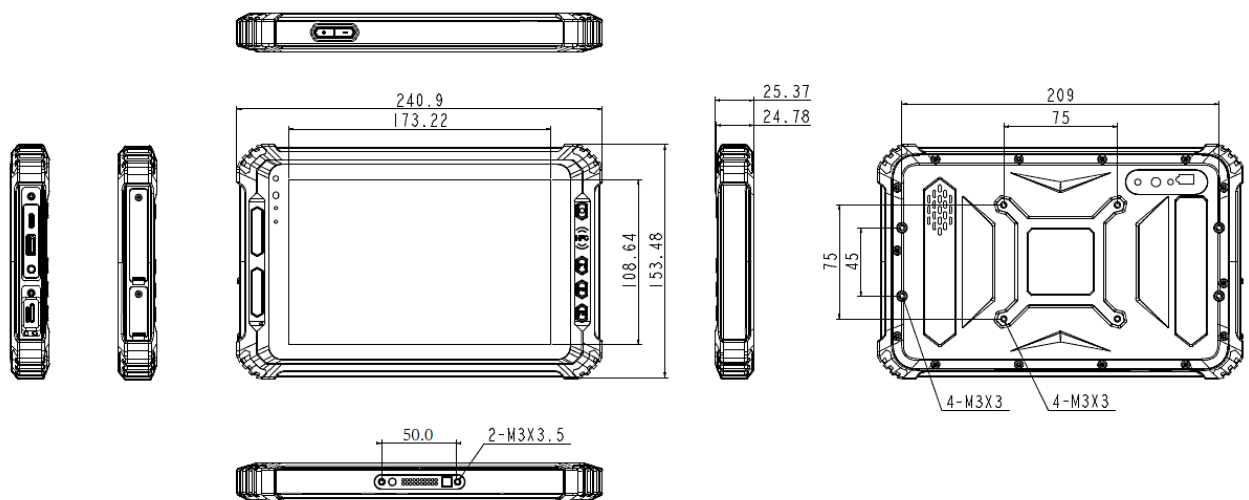
USB Type-C for data and charging

M08R2 8" Rugged Industrial Tablet Datasheet

M08R2			
System	CPU	MediaTek MT8768A, Quad-core Arm Cortex-A53, 2.0 GHz + Quad-core Arm Cortex-A53, 1.5 GHz	
	GPU	IMG GE8320 @650MHz	
	Memory	4GB LPDDR4	
	Storage	64GB eMMC V5.1 (Optional: 128GB)	
Communication	Wi-Fi & Bluetooth	Wi-Fi 802.11 a/b/g/n/ac + BT 5.0	
	Cellular (Optional)	LTE CAT 4	Band: B1/2/3/4/5/7/8/12/20/25/26/34/39/40/41
	NFC	13.56MHz, Compatible with ISO/IEC 15693, ISO/IEC 14443 Type A/B, Mifare, Felica	
	GNSS	GPS + BeiDou + GLONASS + Galileo	
Media	Display	8" 16:10 IPS panel	
		Contrast Ratio: 800:1	Resolution: 1280 x 800 @60Hz
		Brightness: 400 nits	Color depth: 16.7M
		Viewing angle: Horizontal: ±89° or 178° / Vertical: ±89° or 178°	
	TP	5-point PCAP touchscreen, anti-fingerprint	
		Surface hardness: 6H	Cover lens: IK03 rated
		Light transmittance ratio: > 85%	Finishing process: Chemical tempering
	Camera	Front camera: 8MP, fixed focus	
		Rear camera: 13MP, auto focus, with flash	
I/O	Audio	1 x 4Ω/2w speaker	1 x 3.5mm Combo audio jack (CTIA standard)
	USB	1 x USB 2.0 Type-C (OTG, charging)	1 x USB 2.0 Type-A
	Barcode scanner (Optional)	1D/2D code scan	
	Pogo pin	2 x 10-pin	
	SIM slot	1 x Nano SIM slot	
	TF slot	1 x TF slot	
Sensor	Sensor support	3D Accelerometer, 3D Gyroscope, 3-Axis e-compass/magnetometer, Ambient light sensor	
System Control	Button	1 x Power button	3 x Function button (customizable)
		1 x Volume + / - button	
Power	LED indicator	1 x Battery level indicator	1 x Camera working indicator
	Input	USB Type-C power input (5V/2A DC, 9V/2A DC, 12V/2A, PD supported)	
Software	Battery	8000mAh/3.8V, 10-hour working time*	
	OS	Android 11	
	Device management	BlueSphere MDM (Optional)	
Mechanical Performance	Material	Polycarbonate, TPU	
	Casing color	Grey & Black	
	Dimensions	240.90mm x 153.48mm x 25.37mm	
	Installation	VESA (75mm x 75mm, Nut: M3 x 3mm), Hand Strap (Optional)	
	Waterproof	IP65	
Environmental Condition	Environmental test	MIL-STD-810H, 1.5m drop tested	
	Temperature	Operating: -10°C ~+50°C	Storage: -20°C ~+70°C
	Humidity	5%-95% RH (Non-condensing)	
	Certification	FCC, CE	ESD (Contact: ±4KV, Air: ±8KV)

* Source: Test with 1080p video play at 50% volume and 200 nits brightness.

Product Outlines



Ordering Information

Ordering No.	Memory + Storage	Description
M08R2	4GB + 64GB	IPS display, Wi-Fi, Bluetooth, NFC, GNSS, LTE CAT 4, barcode scan , pogo pin
M08R2-L	4GB +64GB	IPS display, Wi-Fi, Bluetooth, NFC, GNSS, pogo pin
M08R2-M	4GB + 128GB	IPS display, Wi-Fi, Bluetooth, NFC, GNSS, pogo pin
M08R2-H	4GB + 128GB	IPS display, Wi-Fi, Bluetooth, NFC, GNSS, LTE CAT 4, barcode scan , pogo pin

Packing list	
M08R2 rugged industrial tablet	1
20V/3A Power adapter	1
USB cable	1

Optional accessory	
Hand strap	1

Since its establishment in 2002 by two Silicon Valley entrepreneurs, Vantron Technology has been at the forefront of the connected IoT devices and IoT platform solutions. Today, Vantron boasts a global customer base that includes several Fortune 500 companies. Its product lines cover edge intelligent hardware, IoT communication devices, industrial displays and BlueSphere cloud device management platform.

Vantron's intelligent display systems are comprised of industrial tablets, touchscreen monitors, and all-in-one panel PCs that deliver enhanced device performance and exceptional human-machine interactive experience. The industrial tablets are powered by industry-leading brands such as Rockchip, NXP, MediaTek, and Intel. The touchscreen monitors offer flexible installation options to cater to various application scenarios. The all-in-one panel PCs offer an overall solution that integrates the touchscreen monitor, display, processor, and operating system. Moreover, the displays are built to excel in harsh environments thanks to advanced features like waterproofing, dustproofing, and shatter resistance.