

M082 8" Rugged Industrial Tablet

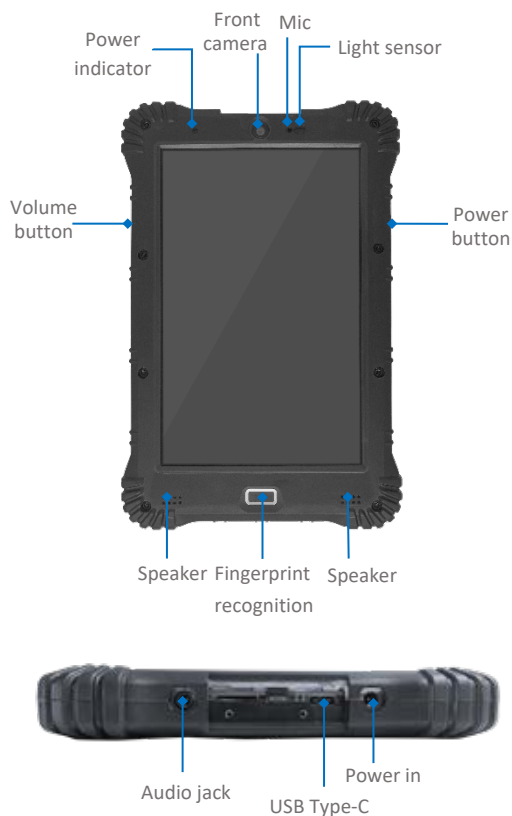


Product Brief Introduction

Vantron M082 8" high-performance rugged industrial tablet is designed for industrial applications, especially in healthcare, plant walkdown, law enforcement patrol, and prison automation. The device is Android-based, powered by Rockchip multi-core processor with an 8-inch capacitive touch screen to offer excellent human-machine interaction experience.

M082 offers flexible specification options, excellent cost performance, and out-performing power management system. It is fully rugged to resist dust, water and drop, protecting the screen from damage in extreme conditions. It features fingerprint recognition for enhanced device security. The large-capacity battery is more than enough to get through a day of work. Better yet, it supports PD and wireless charging to ensure the device holder misses nothing in the hectic schedule.

Exterior and Features



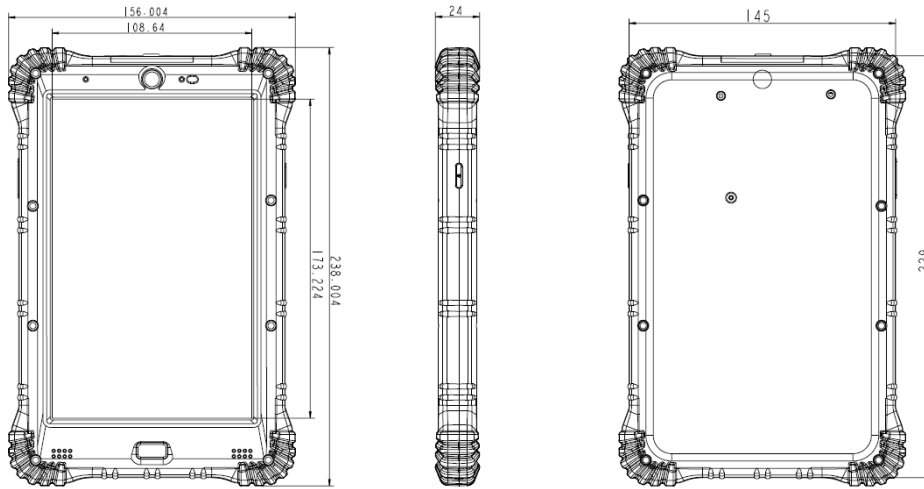
M082

	Android 11
	2GB Memory and 16GB Storage, expandable
	Front camera, 5MP, auto focus
	8000mAh/3.8V Battery
	8" IPS TFT LCD, 1280 x 800, 250cd/m ²
	Wi-Fi 802.11 b/g/n/ac + BT 5.0
	USB Type-C, power charge & data transfer supported
	Double security protection: password & fingerprint recognition
	PD and wireless charging supported

M082 8" Rugged Industrial Tablet Datasheet

M082			
System	CPU	RK3566, Quad-core ARM Cortex-A55, 1.8GHz (Max.)	
	GPU	Mali-G52	
	Memory	2GB LPDDR4 (Optional: 4GB)	
	Storage	16GB eMMC V5.1 (Optional: 32GB) 2Kb EEPROM for device information	
Communication	Wi-Fi & Bluetooth	Wi-Fi 802.11 b/g/n/ac + BT 5.0	
	NFC	Optional	
Media	Display	8" IPS TFT LCD Resolution: 1280 x 800	Brightness: 250 cd/m ² Number of colors: 16.7M
	TP	5-point capacitive touch screen	
	Camera	Front camera: 5MP, Auto focus	
	Audio	1 x 3.5mm combo audio jack 1 x Mic	2 x 0.8W/8Ω speaker
I/Os	USB	1 x USB 2.0 Type-C (USB OTG supported, PD supported)	
	Antenna	1 x Dual-band antenna for Wi-Fi & Bluetooth	
	RTC	Supported	
	Watchdog timer	Supported	
Sensor	G-Sensor	Supported	
	Light sensor	Optional	
	Fingerprint sensor	Supported	
System Control	Button	1 x Power on/off 1 x Volume -/+	1 x Internal reset button for debugging
	Power indicator	Red: Low power Green: over 90% charged	Amber: Charging
Software	OS	Android 11	
	Device management platform	BlueSphere MDM	
	OTA tool	BlueSphere OTA	
Power	Input	USB Type-C power input (5V/2A) PD supported (9V/2A)	
	Adapter	Type-C adapter supporting up to 18W of output (5V/2A, 9V/2A)	
	Cable	1.2m USB Type-C cable	
	Battery	Single-cell Li-ion battery: 8000mAh/3.8V (battery temperature detection supported)	
	Wireless charging	Optional (9V/15W)	
Mechanical	Dimensions	238mm x 156mm x 24mm	
Environment Condition	Temperature	Operating: -10°C~+60°C	Storage: -20°C~+70°C
	Humidity	Operating: 20%-80% RH	Storage: 5%-90% RH
	Certification	FCC (Part 15 class B) ESD (Contact: ±4KV and Air: ±8KV)	GB/T 17626.2-2018 Grade 3

Product Outlines



Ordering Information

Ordering No.	Memory/Storage	NFC	Wireless charger	Light sensor
M082-LA	2GB/16GB	Yes	Yes	Yes
M082-LN	2GB/16GB	-	-	-
M082-HA	4GB/32GB	Yes	Yes	Yes
M082-HN	4GB/32GB	-	-	-

Optional accessory	
9V/2A DC Adapter (USA)	1

Packing list	
M082 8" rugged industrial tablet	1
5V/2A DC adapter	1
1.2m power cable	1

Since 2002 established by two Silicon Valley entrepreneurs, Vantron Technology has been a pioneer in connected IoT devices and IoT platform solutions. Today, Vantron is serving customers all over the world, including many Global Fortune 500 companies. The product lines cover intelligent edge hardware, IoT communication devices, industrial displays and the cloud-based BlueSphere 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.