

M7 Series

7" General-Purpose Industrial Tablets



Product Brief

Vantron M7 Series consists of two general-purpose industrial tablet models: the cost-effective M07 and the high-performance M071. Both models feature a 7-inch capacitive touchscreen with 1024 × 600 resolution and 300-nit brightness, delivering an excellent human-machine interaction experience.

The series is powered by Arm-based processors, with a quad-core CPU for the M07 and an octa-core CPU for the M071. Both models run the Android operating system and support cloud connectivity to Vantron's self-developed BlueSphere MDM platform for OTA updates and remote device management. Both models integrate a Wi-Fi and Bluetooth combo module, with 3G/4G optional for the M071, ensuring reliable, uninterrupted connectivity.

The series provides flexible configuration options, a large-capacity battery, and a stable power management system to meet various industrial application requirements, making it a suitable handheld solution for medical terminals, self-service retail systems, multimedia education, libraries, and laboratories.

Exterior and Features



Arm-based quad/octa-core processor



2GB RAM and 16GB storage, both expandable



7" IPS TFT LCD, 1024 x 600, 300 nits



Dual cameras: 2MP (M07), 5MP (M071)



Wi-Fi/BT/optional 3G/4G connectivity

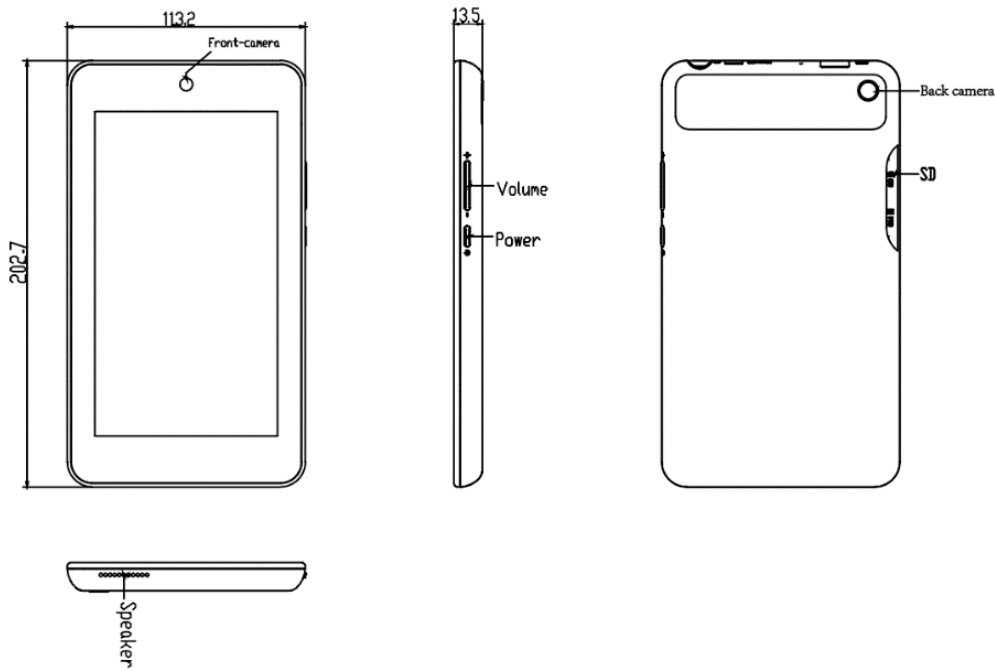


Up to 4000mAh, 3.7V battery

M7 Series 7" General-Purpose Industrial Tablets Datasheet

M7 Series		
System	CPU	M07: Quad-core ARM Cortex-A35 processor, up to 1.3GHz M071: Octa-core ARM Cortex-A53 processor, up to 1.5GHz
	GPU	M07: Mali-G31MP2 GPU, support OpenGL ES3.2, Vulkan 1.0, OpenCL 2.0 M071: PowerVR G6110 GPU, support OpenGL ES 1.1/2.0/3.1, OpenCL, DirectX 9.3
	Memory	2GB (4GB optional for M071)
	Storage	16GB (32GB optional for M071) 1 x Micro SD slot, up to 128GB
Communication	Wi-Fi & Bluetooth	M07: Wi-Fi 802.11 b/g/n + BT 4.0 M071: Wi-Fi 802.11 a/b/g/n/ac + BT 5.0
	Cellular	3G/4G optional for M071
Media	Display	7" IPS TFT LCD Aspect ratio: 16:9 Brightness: 300 cd/m ² (typical) Resolution: 1024 x 600
	TP	5-point capacitive touchscreen
	Camera	M07: Front camera: 2MP, fixed focus; Rear camera: 2MP, fixed focus M071: Front camera: 5MP, fixed focus; Rear camera: 5MP, fixed focus
	Audio	1 x 3.5mm combo audio jack 1 x 0.8W/8Ω speaker 1 x Microphone
I/O	USB	1 x USB 2.0 Type-C (power charge & USB OTG supported)
	Button	1 x Power on/off button 1 x Volume +/- button
	SD	1 x Micro SD slot
	SIM	1 x Micro SIM slot
Miscellaneous	Sensor	3-Axis G-sensor
	RTC	Supported
Software	OS	Android 10
	Device management	BlueSphere MDM (Optional)
Power	Input	USB Type-C power input, 5V/2A DC
	Battery	M07: 2400mAh/3.7V M071: 4000mAh/3.7V
Mechanical	Dimensions	202.7mm x 113.2mm x 13.5mm
Environmental Condition	Temperature	Operating: 0°C~+45°C Storage: -20°C~+45°C
	Humidity	Operating: 20%-80% RH Storage: 20%-80% RH
	ESD	Contact: ±4KV; Air: ±8KV
	Certification	FCC (Part 15 class B), CE

Product Outlines



Ordering Information

Nomenclature

M07 | **M071-[S-C]**

S (memory & storage): **Null**-2GB +16GB; **SH**-4GB + 32GB

C (Cellular): **Null**-Not provided; **3G**-3G; **4G**-4G

Example Ordering No.	Memory	Storage	Wi-Fi & Bluetooth	Cellular	Battery
M07	2GB	16GB	Wi-Fi b/g/n & Bluetooth 4.0	-	2400mAh/3.7V
M071	2GB	16GB	Wi-Fi b/g/n/ac & Bluetooth 5.0	-	4000mAh/3.7V
M071-SH	4GB	32GB	Wi-Fi b/g/n/ac & Bluetooth 5.0	-	4000mAh/3.7V
M071-4G	2GB	16GB	Wi-Fi b/g/n/ac & Bluetooth 5.0	4G	4000mAh/3.7V

Packing List

M07/M071 Industrial tablet	1	5V/2A Power adapter & USB cable	1 kit
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