

TMT-A5580-08S

8" Android Medical Tablet



Key Highlights

- 8" Full HD Display with Touch
- Octa-Core Processor, 2.0/2.2 Ghz
- Android 11 with Google Mobile Services
- Slim, Lightweight Design with MIL-STD-810H Rating
- Optional 2D scanner

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The TMT-A5580-08S presents a highly efficient and tailored solution for the medical industry. Running on the latest Android 11 OS with Google Mobile Services (GMS), it integrates with essential medical applications, streamlining workflows for healthcare professionals. Powered by an Octa-Core processor, this tablet ensures smooth performance, even when managing complex medical data. Despite its slim design, it is remarkably durable with a Mil-STD-810H rating, providing reliable operation in challenging medical environments. Its IP65 rating protects the tablet from water and dust.

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Technical Specifications

Primary Components

Processor Family	MediaTek ARM Cortex-A55/A76
Processor Model	MT6833 OctaCore
Memory Type	Onboard DDR4L
Memory Support	8GB
Storage Type	Onboard eMMC Flash
Storage Support	128GB

External I/O Ports

USB	1x USB 2.0 type C (PD)
Other Ports	12 Pin Pogo
Power Input Port	USB Type-C OTG

Operating Systems

Android	Android 11
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Multimedia

Speakers	1x 1W Speaker
Camera	Front: 5MP, Rear: 13MP w/Flash
Microphone	Built-in Microphone

Enclosure

Material	PC+ABS
IP Rating	IP65
Color	Black (Standard), White (with MOQ)
Control Buttons	Audio Down, Audio Up, Power Button, Scanner
Shock Rating	MIL-STD-810H
Drop Rating	4ft Drop Protection

Weight / Dimensions

Weight	0.5 kg (1.1 lbs)
Dimensions	219 x 125 x 139 mm (8.6 x 0.5 x 5.5 in)

Warranty

Warranty	1 Year
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Display

Screen Size	8"
Screen Resolution	1920 x 1200 (WUXGA)
Screen Ratio	16:10
Brightness	550 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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Power

Standard Power Adapter	USB Type C, 9V 2A
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Battery

Battery Type	Internal 3.8V, 7200mAh
Battery Operating Time	13hrs

Expansion Slots

SD card	1x Micro SD Slot
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Thermal & Environmental

Operating Temperature	-10°C - 50°C (14°F - 122°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Cooling Solution	Passive - Fanless
Humidity Range	5% - 95% Non-condensing
Storage Humidity	5% - 95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	802.11 a/b/g/n/ac (2.4Ghz + 5.0Ghz)
Bluetooth	Bluetooth 5.1
GPS	yes
Mobile Networks	2G/3G/4GLTE FDD/TDD, 5G (N1,3,5,28,38,41,77,78,79) Non Carrier certified
Sim Card	1x SIM Card Slot
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	NFC Built-in
Sensors	Accelerometer, Compass, Gyroscope, Light Sensor

Specifications subject to change.

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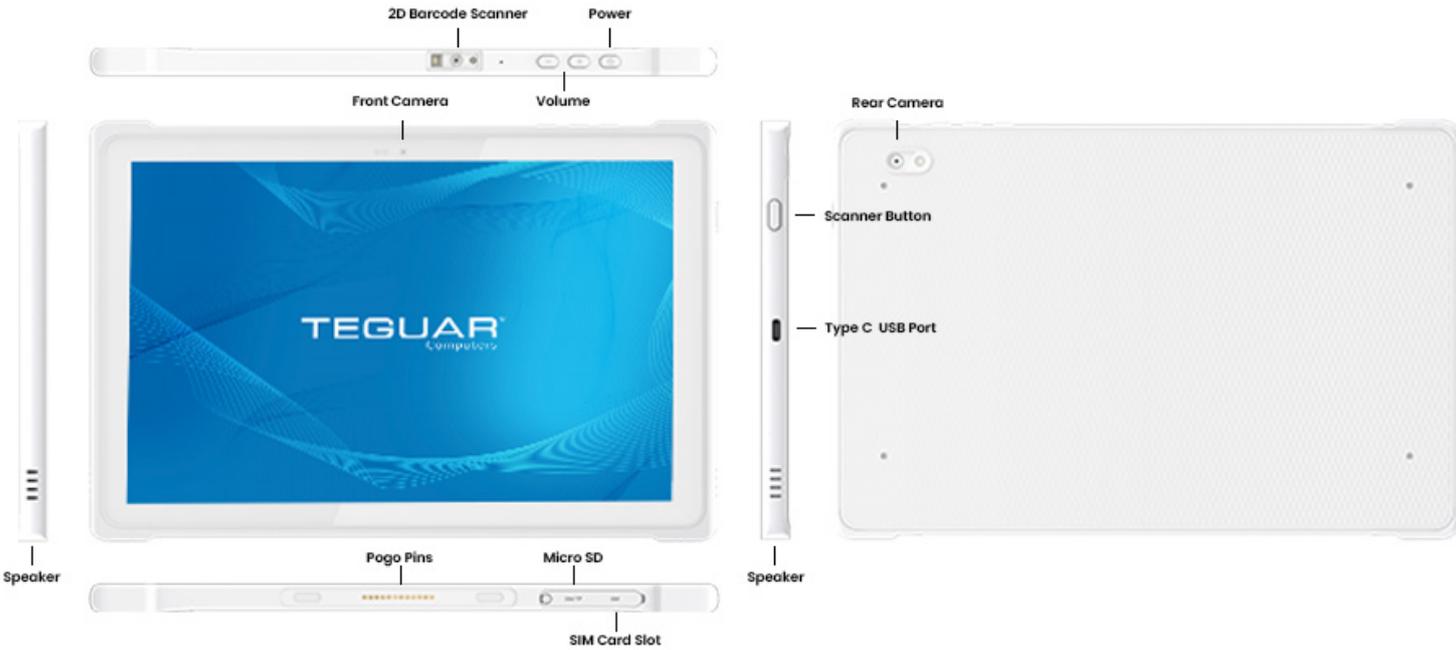
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I/O Diagram Images



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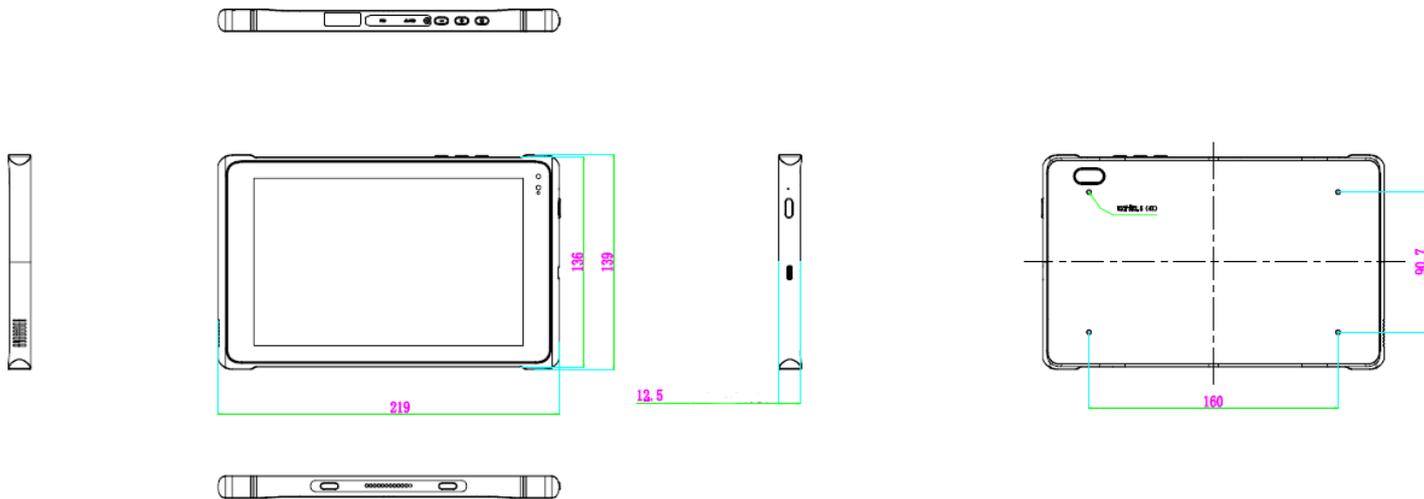
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Tech Diagram Images



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