8" MEDICAL TABLET PC | MJ-80

FEATURES

- 8'' IPS LCD Screen (1200 x 800 Resolution)
- Octa-core ARM Cortex-A53 Processor
- Android 7.1 (Upgradable to the Latest Version) or Linux OS
- IP65 Water & Dust Protection
- 4ft Drop / Shock Protection (MIL-STD-810G)
- Long Life Battery - Up to 8 Hours Runtime
- Wi-Fi 5, Bluetooth 4.0, Optional GPS
- Optional Modules: NFC, Barcode Reader, Fingerprint Reader
- IEC62133, IEC60601-1

The MJ-80 Medical Tablet is designed to meet the rigorous demands of healthcare professionals, combining durability with cutting-edge technology. Its 8-inch IPS display (1200x800 resolution) ensures clear, detailed visuals, ideal for viewing patient data, imaging, or medical records. Powered by an octa-core ARM Cortex-A53 processor and running Android 7.1 (upgradable) or Linux OS, the MJ-80 offers reliable performance for critical medical applications. With IP65 water and dust protection, 4ft drop resistance (MIL-STD-810G), and up to 8 hours of battery life, it is built to withstand the harshest environments, including frequent sanitization. Optional modules like NFC, a barcode reader, and a fingerprint reader streamline patient management and ensure compliance with medical data security. Wi-Fi 5, Bluetooth 4.0, and optional GPS further enhance connectivity, making the MJ-80 an indispensable tool in modern healthcare settings.

SPECIFICATIONS

RUGGEDNESS

IP Rating	IP65
Drop Rating	MIL-STD-810G, 4ft to Plywood on 26 Corners
Shock Rating	MIL-STD-810G, Method 516.8, Procedure I
Vibration Rating	MIL-STD-810G, Method 514.6, Procedure I, Category 4, Category20, Category 24
ESD Protection	6kV Touch, 8kV Air
EMC Test	Follows FCC

SYSTEM

Processor	RockChip RK3368, 1.5GHz, Octa-core Cortex-A53
GPU	PowerVR G6110 4K@60fps H.265 HDMI 2.0 with HDCP 2.2
Memory	2GB LPDDR3 Optional: 4GB LPDDR3
Storage	32GB eMMC v5.1 Optional: 64GB eMMC v5.1
OS	Android 7.1 (Up Gradable to the Latest Version) Optional: Linux

DISPLAY

Screen Size	8'' IPS LCD
Resolution	1200 x 800
Brightness	300 nits
View Angle	+/- 85°
Contrast Ratio	800 : 1
Touch Screen	Capacitive 10-Point Multi-Touch Chemically Hardened Cover Glass Glass Coating Optional: Anti-Reflective, Anti-Glare, Anti-Fingerprint

COMMUNICATIONS

Wi-Fi	802.11 a/b/g/n/ac Dual-Band 2.4GHz & 5GHz
Bluetooth	Bluetooth v4.0
GPS (Optional)	Tracks Up to 16 Satellites, 1575.42MHz Device GPS Accuracy < 15m, 95% Typical Velocity Accuracy 0.05m/s Heading Accuracy 0.3 Degrees Horizontal Position Accuracy < 10m

POWER

AC Adapter	110-240V AC Input, 12V DC 3A Output, Standard US Plug Optional: Medical AC Adapter
Battery	24Wh Battery, Li-on Polymer, 2S1P, 7.4V 3200mAh

I/O INTERFACE

Sensors	Gyroscope, Light Sensor, Compass
Audio	1 x Built-in Microphone 1 x Internal 8ohm 1W Speaker
Camera	Front Camera: 2MP Rear Camera: 8MP with Auto Focus
Ports	1 x USB 2.0, 1 x Micro USB 1 x Micro HDMI Output Type D 1 x Audio Jack, 1 x DC Jack 1 x Side - Docking Connector 20-pin 1 x TF Card Slot
Buttons	Power On/Off Button, Volume+/- Button 2 x Programmable Buttons

OPTIONAL MODULES

Modules (Optional)	NFC Module: ISO/IEC 14443A/B, 15693/18092 Barcode Reader Fingerprint Reader

MECHANICAL

Chassis	Front: Plastic + TPU Rubber, Rear: Plastic
Dimensions	237 x 159 x 17mm
Weight	750g

ENVIRONMENTAL

Temperature:	
- Operation	0°C to 45°C
- Storage	-20°C to 60°C
Humidity	10% to 95% Non-condensing
RoHs	Compliant

REGULATORY

Certification	FCC, IATA, IEC62133, IEC60601-1

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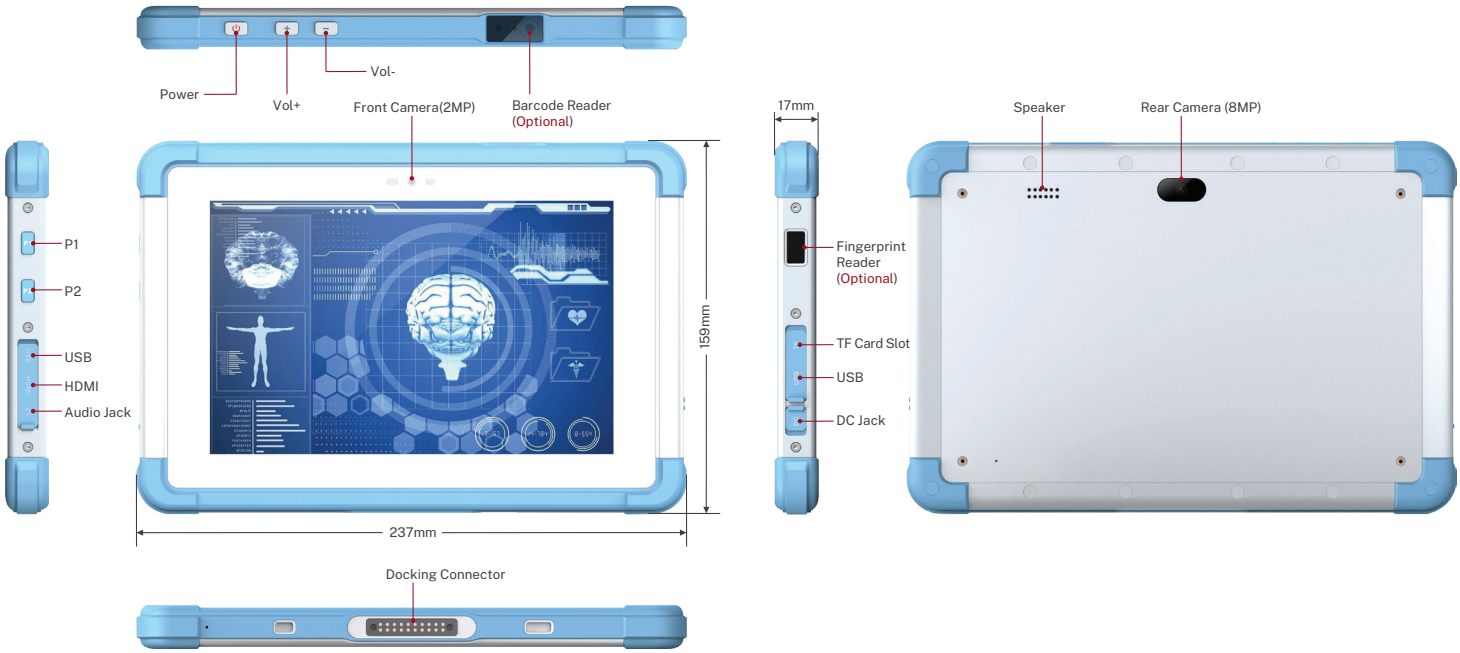
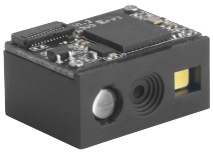
DIMENSIONS AND SYSTEM LAYOUT



OPTIONAL MODULES AND ACCESSORIES

Docking Station



Barcode Reader

Fingerprint Reader

MARKET AND APPLICATIONS:

Medical: Patient and drug data input, Registration

Retail: Data input, Stock management

Warehouse management

Logistics: In/Out scanning, Delivery tracking

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