

M101Q9

10.1" Qualcomm® 6490 Android Rugged Tablet



KEY FEATURES

- 10.1" 1920x1200 LED Panel with PCAP Touch
- Android 13.0
- Qualcomm® 6490, Octa-Core, up to 2.7GHz
- Support Wi-Fi 6E
- Optional WWAN 4G and 5G
- MIL-STD-810H Shock / Drop / Vibration Compliant
- Optional Barcode Reader and NFC Reader

INTRODUCTION

Winmate M101 Series Rugged Tablet delivers robust performance, versatility, and durability for demanding environments. It has a 10.1" display that is easy to read in sunlight. The screen uses anti-glare technology and direct optical bonding. It works with Windows or Android for smooth compatibility. The M101 Series is built to resist water and dust with an IP65 rating. It meets MIL-STD-810H standards and has hot-swappable battery options. This design ensures it works well in tough conditions. It is perfect for fieldwork, industrial tasks, and data collection.

SPECIFICATIONS

Display

Resolution	1920x1200	Size	10.1 inches
Contrast Ratio	800:1	Panel Brightness	800.0 nits
View Angles	85,85,85,85	Bonding	Optical Bonding for Sunlight Viewability
Type	Projected Capacitive Multi Touch	Viewability	Anti-Glare touch treatment
Touch Mode	Support Hand / Gloves and Rain Mode		

System Specification

Processor	Qualcomm® 6490, Octa-Core, up to 2.7GHz	Memory	8GB
Storage	128GB	Operating System	Android 13.0
WLAN	Support	BT	Support
WWAN	4G (Optional) 5G (Optional)	GNSS	GPS/GLONASS
RFID	NFC (Read / Write, Peer to Peer mode) (Optional)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors

Camera

Front Camera	8MP Camera	Rear Camera	16MP Camera with LED Auxiliary Light (Auto Focus)
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Mechanical

Dimension	271.9 x 197.3 x 19.5 mm	Weight	1.2 kg (2.65 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity battery
Cooling System	Fanless Design		

IO Ports

USB Port	1 x USB 3.0 Type C OTG	SD Card Slot	1 x Micro SD Card Slot
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SIM Card Slot	(Type C support Power Delivery) 1 x USB 2.0 Type A	Audio	1 x Audio Combo connector (Mic in or Line Out) 1 x Built-in Mic 2 x Speaker
	1 x SIM Card Slot		
Indicator	1 x LED Indicators (Power, Battery)	Docking Connector	1 x Docking Connector

Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65
Drop	MIL-STD-810H Method 516.8, 4 ft		

Certification			
Certification	CE, FCC		

Control			
Button	1 x Volume +/-, 1 x Home Button, 1 x ,Return Button, 1 x Power Button, 1 x Function Button		

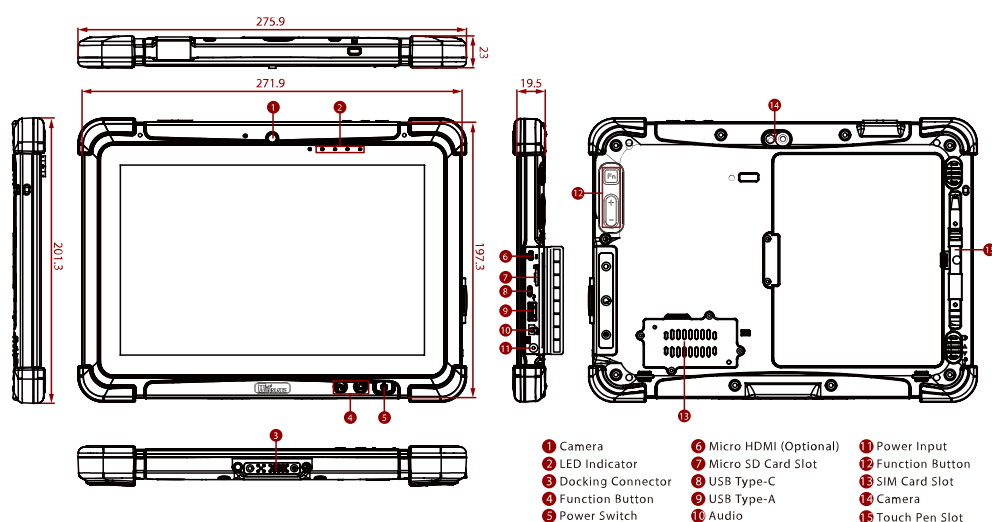
Power			
Battery	7.7V, typ. 5900 mAh LiPolymer Battery (2S1P) 7.4V, typ. 10280 mAh LiPolymer Battery (2S2P) (Optional) Warm swappable function (Optional)	Battery Operating Time	8Hr
Power Rating	19V	Adapter	19V 3.42A Adapter

Security Function			
SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock

Accessory			
Accessory	Adapter and Power Cord Standard Battery Capacitive Stylus	Optional Accessory	High Capacity Battery Desk Dock Vehicle Dock Vehicle Cradle Battery Charger Vehicle Charger Metal Vehicle Dock Hand Strap VESA Mount Kit Shoulder Strap Carry Bag Micro SD Card HDMI Adapter Stand with Integrated Handle Micro USB Cable

Barcode Scanner			
Barcode Scanner	1D/2D Barcode Reader (Optional)		

DIMENSIONS UNIT:MM



NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. Length measurements do not include protrusions. Weight varies with options.
3. Measured at dimming LCD brightness. Varies depending on the usage conditions.
4. Accessories may vary depending on your configuration.
5. This is a simplified drawing and some components are not marked in detail.
6. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information