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 2.7 GHz)
- Support Wi-Fi 6E
- Optional WWAN 4G and 5G
- MIL-STD-810H Shock / Drop / Vibration Compliant
- Optional Barcode Reader and NFC Reader

CE FC IP65 MIL-STD 810G COMPLIANT

OVERVIEW

High Computing Performance

Powered by a Qualcomm processor, Winmate’s M101Q9 series offers exceptional performance to meet the demands of professional-grade applications.

Real-time Data Connectivity

Real-time access is essential for mobile users. Winmate’s M101Q9 series features GPS, WLAN, Bluetooth, and optional 4G and 5G connectivity, enabling seamless connections and improved efficiency.

Sunlight Readable Display with Anti-Glare Solution

The M101Q9 series from Winmate provides an outstanding viewing experience, whether indoors or outdoors, thanks to its vibrant 10.1" display, 1920 x 1200 resolution, optical bonding technology, and anti-glare touch treatment.

Projected Capacitive Multi-Touch Screen

The Winmate M101Q9 series is equipped with Projected Capacitive (P-CAP) Multi-Touch technology for an optimal user touch experience, supporting Rain, Glove, and Stylus modes for versatile usage.

Rugged Design Built to Survive

The Winmate M101Q9 series is built to withstand extreme temperatures, drops, shocks, and vibrations. Engineered for industrial-grade applications, this rugged tablet meets MIL-STD-810H standards and holds an IP65 rating, ensuring durability in the harshest environments.

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 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)

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 (Type C support Power Delivery) 1 x USB 2.0 Type A	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	1 x SIM Card Slot	Audio	1 x Audio Combo connector (Mic in or Line Out) 1 x Built-in Mic 2 x Speaker
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

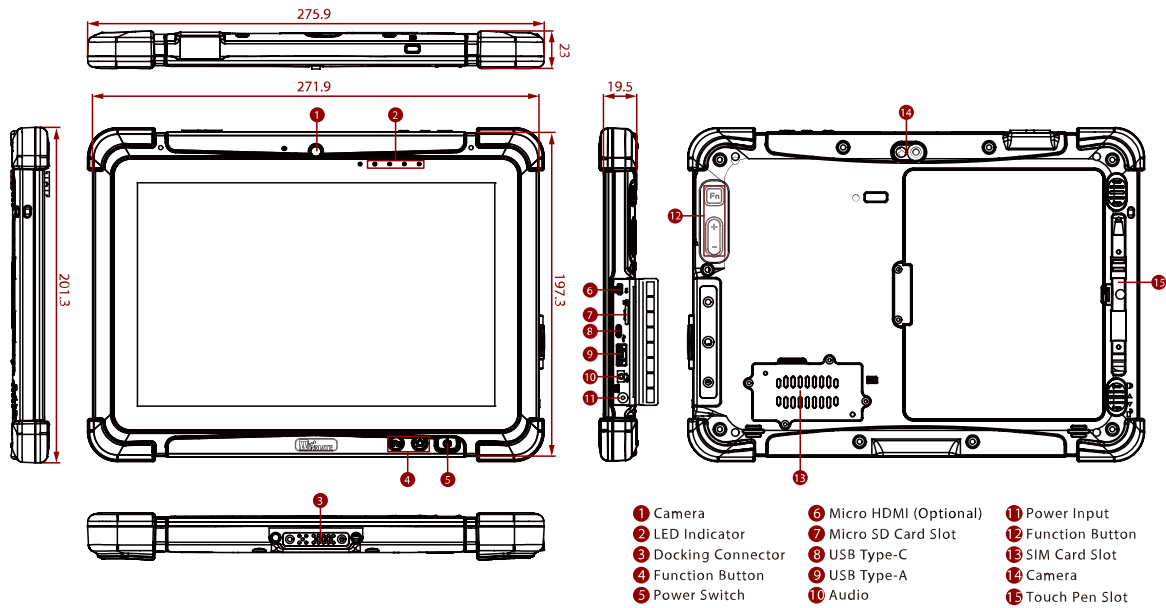|			
SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock

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

275.9
271.9
23
19.5
201.3
197.3

① Camera
② LED Indicator
③ Docking Connector
④ Function Button
⑤ Power Switch

⑥ Micro HDMI (Optional)
⑦ Micro SD Card Slot
⑧ USB Type-C
⑨ USB Type-A
⑩ Audio

⑪ Power Input
⑫ Function Button
⑬ SIM Card Slot
⑭ Camera
⑮ Touch Pen Slot

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