M101M8-LA

10.1" Rugged Android Tablet PC

KEY FEATURES

- ARM A53 Octa Core Processor
- 10.1" 1280 x 800 LED Panel with direct optical bonding
- Android 7.0 OS
- NFC Reader
- IP65 waterproof and dustproof
- Rated for extreme temperature use

CE FC IP65 COMPLIANT MIL-STD 810G

OVERVIEW

Mobile Rugged Design

M101M8-LA is designed for mobile rugged use, withstanding shock, vibration, and drop (satisfies 4 feet drop certification), and can be operated in a wide temperature of -10°C to 50°C, allowing the tablet to be used in harsh environments such as industrial and Defence use. With IP65 rating, the device is a dust-tight and can withstand water jet against the device enclosure. So, it can also be easily wiped cleaned in order to reduce the spread of infection for medical use.

Multi-touch Projected Capacitive Touch

The minimum 4-point Multi-touch Projected Capacitive Touch technology allows users to switch windows, take snapshots, zoom in, and rotate easily to take full advance of the Android 7.0 touch interface.

CPU Designed for Tablets

M101M8-4E is offered with ARM A53 Octa-Core to provide high performance and low power consumption, providing extended battery life. It supports with Android 7.0 operating system to fulfill the increasing requirements in industrial applications and provides an alternative solution for those between general consumer and extremely rugged application.

Sunlight Readable Wide-Angle Panel

The M101M8-LA with IPS LED panel offers wider viewing angles, better image contrast, and faster response times. The M101M8-LA offers a 10.1” 1920x1200 LED high resolution, high brightness display, perfect for viewing under different conditions.

Real-time Data Connectivity

Real-time data access to the right information is very important to mobile users. M101M8-4E offers optional 4G/LTE, GPS, WiFi 802.11 a/b/g/n/ac, BT 4.1 which enable users to get connect in the way that best suits their needs. With built-in 8.0 Mega Pixel camera on the rear side, users can capture photos, videos, documents instantly, or utilize the front 2.0 Mega Pixel camera for application such as user self video recording, or video communication.
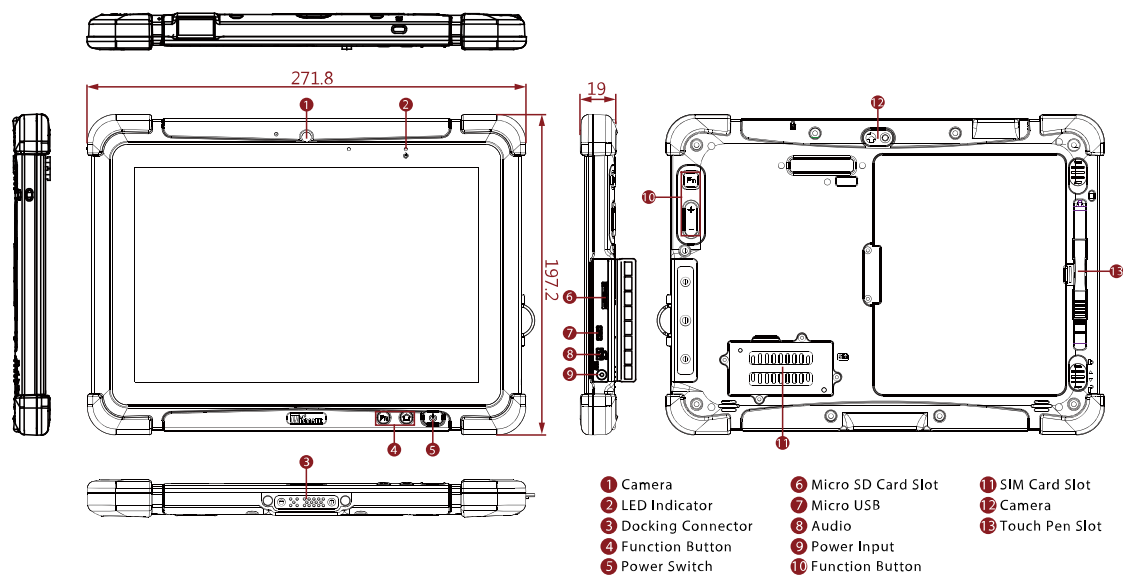
SPECIFICATIONS

Display

Resolution	1280x800	Size	10.1 inches
Contrast Ratio	1000:1	Panel Brightness	350.0 nits
View Angles	85,85,85,85	Type	Projected Capacitive Multi Touch
Touch Mode	Support Hand / Gloves and Rain Mode	Bonding	Optical Bonding for Sunlight Viewability

System Specification

Processor	ARM A53 (Octa-Core 1.3 GHz)	Memory	2GB
Storage	16GB	Operating System	Android 7.0
WLAN	Support	BT	Support
WWAN	Built-in UMTS 850/900 FDD-LTE b2/b4/b5/b13/b17	GNSS	GPS/AGPS
RFID	Default NFC (Read / Write, Peer to Peer mode)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors

Camera

Front Camera	2MP Camera	Rear Camera	8MP Camera with LED Auxiliary Light (Auto Focus)

Mechanical

Dimension	271.8 x 197.2 x 19 mm	Weight	1.0 kg

IO Ports

USB Port	1 x Micro USB2.0 OTG	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	2 x LED Indicators (Power, Battery)	Docking Connector	1 x Docking Connector

Environment

Operating Humidity	5% to 95% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP65
Drop	MIL-STD-810G Method 516.6, 4 ft		

Certification

WINMATE

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	7.4V 5140 mAh(38W) Hotswappable Function (Optional)	**Battery Operating Time**	10Hr
Power Rating	12-19V	**Adapter**	12V 3A Adapter
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	Kensington Lock
Accessory			
Accessory	Adapter and Power Cord Standard Battery Capacitive Stylus Micro USB Cable	**Optional Accessory**	Desk Dock Vehicle Dock (without VGA output) Vehicle Cradle Battery Charger Hand Strap VESA Mount Kit Shoulder Strap Carry Bag Vehicle Charger Micro SD Card
Barcode Scanner			
Barcode Scanner	1D/2D Barcode Reader (Optional)		

DIMENSIONS UNIT:MM

Winmate M101M8-LA

271.8
19
197.2

1 Camera
2 LED Indicator
3 Docking Connector
4 Function Button
5 Power Switch
6 Micro SD Card Slot
7 Micro USB
8 Audio
9 Power Input
10 Function Button
11 SIM Card Slot
12 Camera
13 Touch Pen Slot

NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. SOTI is available upon request.
3. Length measurements do not include protrusions. Weight varies with options.
4. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
5. All the accessories are compliant with M101M4 series. Accessories and Integrated Options may vary depending on your configuration.
6. This is a simplified drawing and some components are not marked in detail.
7. 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.