S101QA

10.1" Android Rugged Tablet with Qualcomm® 6690 Processor



KEY FEATURES

- 10.1″ 1920×1200 LED Panel with PCAP Touch
- Android 16.0
- 8G RAM + 128G eMMC
- Qualcomm® 6690 (Octa-core Up to 2.9 GHz)
- Support WWAN 4G/5G
- MIL-STD-810H Shock / Drop / Vibration Compliant
- Optional Barcode Reader and NFC Reader

INTRODUCTION

The Winmate S101QA is a 10.1-inch Android 16 rugged tablet engineered for enterprise mobility, industrial operations, and demanding field environments. Powered by the Qualcomm® 6690 octa-core processor (up to 2.9 GHz), it features a 1920 × 1200 PCAP touchscreen, 8GB RAM, and 128GB eMMC storage for responsive mobile computing and efficient data management. With 4G/5G WWAN connectivity and MIL-STD-810H compliance for shock, drop, and vibration resistance, the S101QA supports reliable field operations. Optional barcode and NFC readers enable streamlined data capture, asset tracking, and inventory management across warehousing, logistics, field service, and industrial applications.

SPECIFICATIONS

Display			
Resolution	1920×1200	**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® 6690, Octa-Core, up to 2.9GHz	**Memory**	8GB
Storage	128GB	**Operating System**	Android 16.0
WLAN	Support	**BT**	Support
WWAN	4G/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	268 × 187 × 22.2 mm	**Weight**	1.0 kg
IO Ports			

USB Port	1 x USB Type C OTG (Type C support Power Delivery 20V In) 1 x USB 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 Speaker
LAN	1 x RJ45	**Indicator**	2 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 Power Button, 2 x Function button

Power

Battery	11.4V, typ. 3500 mAh Li-Ion Battery(39.9W), (Default) Support Warm Swap function (Optional)	**Battery Operating Time**	10Hr
Power Rating	19V	**Adapter**	19V 3.42A Adapter

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	Kensington Lock

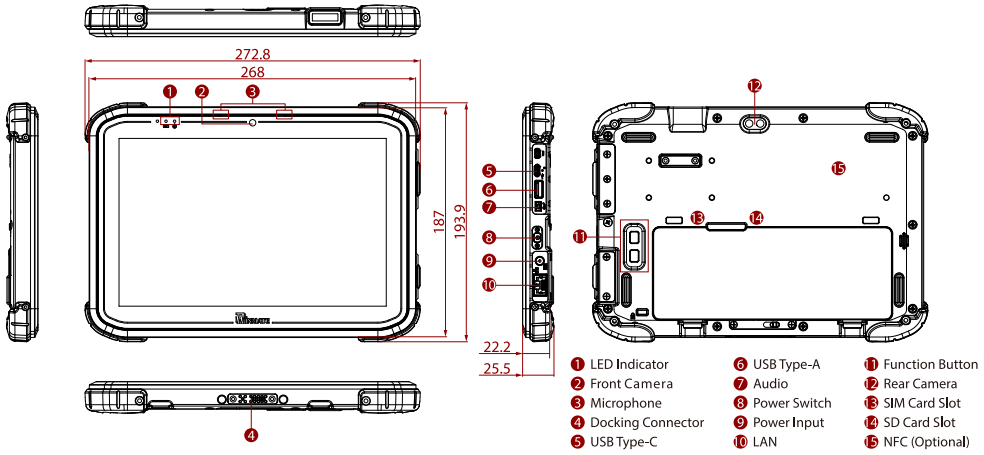
Barcode Scanner

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

Accessory

Accessory	Adapter and Power Cord Standard Battery	**Optional Accessory**	Hand Strap Shoulder Strap Body Strap Battery Charger High Capacity Battery Capacitive Stylus VESA Mount Kit Vehicle Charger Vehicle Cradle Vehicle Docking Carry Bag Desk Dock Micro SD Card

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing, and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.

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WINMATE
No. 18, Zhongxing S. St., Sanchong Dist., New Taipei City 241017 , Taiwan (R.O.C.)
Tel: +886-2-8511-0288
Website: www.winmate.com

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