S101QAL

10.1" Android Rugged Tablet with Qualcomm® 6690 (FP1) Processor



KEY FEATURES

- 10.1” 1280x800 LED Panel with PCAP Touch
- Android 16.0
- 8G RAM + 128G eMMC
- Qualcomm® 6690(FP1) Octa-core Up to 2.0 GHz
- Support WWAN 4G/5G
- MIL-STD-810H Shock / Drop / Vibration Compliant
- Optional Barcode Reader and NFC Reader

INTRODUCTION

The Winmate S101QAL is a 10.1-inch Android 16 rugged tablet powered by the Qualcomm® 6690 (FP1) octa-core processor up to 2.0 GHz. Featuring a 1280 × 800 PCAP touchscreen, 8GB RAM, 128GB eMMC storage, and 4G/5G WWAN connectivity, it supports industrial mobility and enterprise data access. With MIL-STD-810H shock, drop, and vibration compliance and optional barcode and NFC readers, the S101QAL is suitable for warehouse management, logistics, field service, and industrial data collection.

SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	**Type**	Projected Capacitive Multi Touch
Viewability	Anti-Glare touch treatment	**Touch Mode**	Support Hand / Gloves and Rain Mode
Resolution	1280x800	**Size**	10.1 inches
Contrast Ratio	1000:1	**Panel Brightness**	400.0 nits
View Angles	80,80,80,80		
System Specification			
Processor	Qualcomm® 6690(FP1), Octa-Core, up to 2.0GHz	**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 x 187 x 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			
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

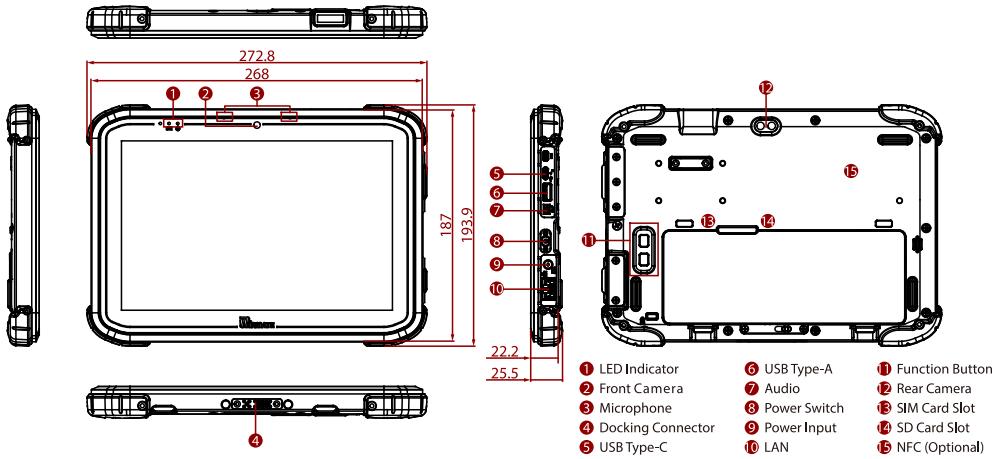
Barcode Scanner

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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