TG101Q9

10.1" Qualcomm® 6490 Android Rugged Tablet Controller

CE

FC

KEY FEATURES

- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Qualcomm® 6490 (Octa-core2.7 GHz) processor
- All-weather, dust, and water-resistant design (IP65). MIL-grade drop, Shock and vibration
- Supports WIFI, BT and optional 4G/5G
- With one removable battery

INTRODUCTION

Winmate's 10.1-inch Android rugged tablet controller combines a 1920 × 1200 IPS LED panel with direct optical bonding for sharp visuals and sunlight readability. Powered by the Qualcomm® 6490 octacore processor, it delivers strong mobile performance for harsh enviroment applications. With IP65 protection and MIL-STD durability, it withstands dust, water, drops, shock, and vibration. Featuring Wi-Fi, Bluetooth, optional 4G/5G, and a removable battery, it ensures seamless connectivity and uninterrupted mobility.
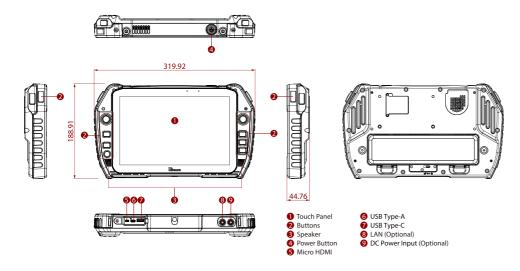
SPECIFICATIONS

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	AG+AF touch treatment

System Specification

Processor	Qualcomm® 6490 (Octa-Core 2.7GHz)	Memory	8 GB
Storage	128GB	Operating System	Android 13.0
WLAN	802.11a/b/g/n/ac/ax	BT	5.3
WWAN	4G LTE (Optional) 5G (Optional)	GNSS	GPS/GLONASS

Mechanical

Dimension	317.75 x 188.87 x 35.8 mm	Weight	1.4kg
Cooling System	Fanless Design		

IO Ports

USB Port	1 x USB 2.0 (Type-A) 1 x USB 3.0 (Type C)	Video	1 x micro HDMI output
Audio	2x Speaker		

Environment

Operating Humidity	10% to 90% RH, non-condensing	Operating Temperature	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65

WINMATE

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Certification

Certification	CE, FCC

Control

Button	10 x Buttons

Power

Battery	10.9 V, typ. 6700 mAh LiIon Removable Battery (3S2P)	Power Rating	19V DC
Adapter	PD Adapter 100W		

Accessory

Accessory	1 x PD Adapter 100W 1 x Power Cord	Optional Accessory	M10 Push-pull Power Cable, DC Plug Type M10 Push-pull LAN (10/100 Mbps , Max to 250 Mbps)

DIMENSIONS   UNIT:MM

319.92

188.91

44.76

❶ Touch Panel
❷ Buttons
❸ Speaker
❹ Power Button
❺ Micro HDMI
❻ USB Type-A
❼ USB Type-C
❽ LAN (Optional)
❾ DC Power Input (Optional)

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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