

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-core 2.7 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 environment 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

Certification

Certification CE, FCC

Control

Button 10 x Buttons

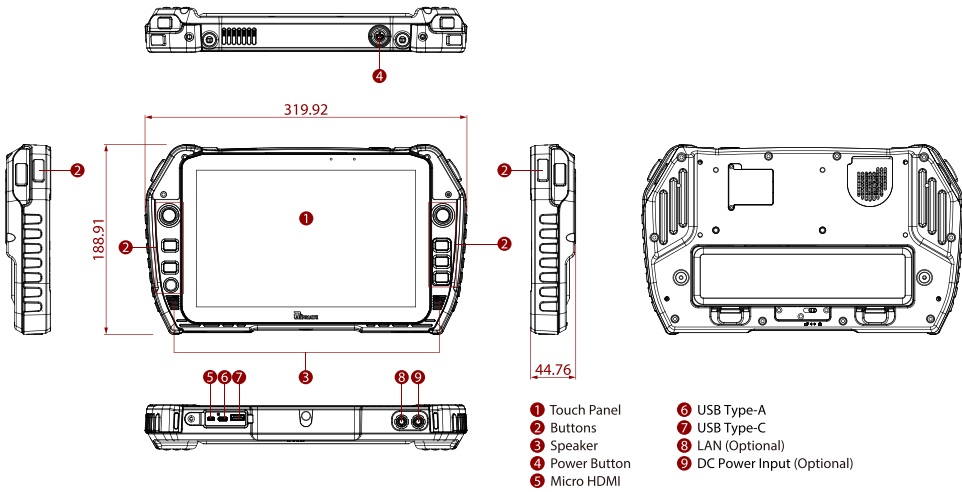
Power

Battery	10.9 V, typ. 6700 mAh Lilon 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)
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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.