

# TB101Q9

10.1" Qualcomm® 6490 Android Rugged Tablet



## KEY FEATURES

- 10.1" 1920x1200 LED Panel with PCAP Touch
- Android 13.0
- Qualcomm® 6490 (Octa-core 2.7 GHz)
- Support Wi-Fi 6E
- Optional WWAN 4G and 5G
- MIL-STD-810H Shock / Drop / Vibration Compliant
- Optional Barcode Reader and NFC Reader

## INTRODUCTION

NoteStar TB101 Series Rugged Tablet delivers robust performance, versatility, and durability for demanding environments. Featuring a 10.1" sunlight-readable display with direct optical bonding and anti-glare technology, it runs on Windows or Android operating systems for seamless compatibility. Designed with IP65-rated water and dust resistance, MIL-STD-810H compliance, and hot-swappable battery options, the TB101 Series ensures reliable operation in challenging conditions, making it ideal for fieldwork, industrial tasks, and data collection applications.

## OVERVIEW



### High Computing Performance

Powered by a Qualcomm processor, NoteStar's TB101Q9 series offers exceptional performance to meet the demands of professional-grade applications.

### Real-time Data Connectivity

Real-time access is essential for mobile users. NoteStar's TB101Q9 series features GPS, WLAN, Bluetooth, and optional 4G and 5G connectivity, enabling seamless connections and improved efficiency.





### Sunlight Readable Display with Anti-Glare Solution

The TB101Q9 series from NoteStar provides an outstanding viewing experience, whether indoors or outdoors, thanks to its vibrant 10.1" display, 1920 x 1200 resolution, optical bonding technology, and anti-glare touch treatment.

### Projected Capacitive Multi-Touch Screen

The NoteStar TB101Q9 series is equipped with Projected Capacitive (P-CAP) Multi-Touch technology for an optimal user touch experience, supporting Rain, Glove, and Stylus modes for versatile usage.



### Rugged Design Built to Survive

The NoteStar TB101Q9 series is built to withstand extreme temperatures, drops, shocks, and vibrations. Engineered for industrial-grade applications, this rugged tablet meets MIL-STD-810H standards and holds an IP65 rating, ensuring durability in the harshest environments.

## 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	Anti-Glare touch treatment
Touch Mode	Support Hand / Gloves and Rain Mode		
System Specification			
Processor	Qualcomm® 6490 (Octa-Core 2.7GHz)	Memory	8GB
Storage	128GB	Operating System	Android 13.0
WLAN	Support	BT	Support
WWAN	4G (Optional) 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	271.9 x 197.3 x 19.5 mm	Weight	1.2 kg (2.65 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity battery
Cooling System	Fanless Design		
IO Ports			
USB Port	1 x USB 3.0 Type C OTG (Type C support Power Delivery) 1 x USB 2.0 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 Built-in Mic 2 x Speaker
Indicator	1 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 Volume +/-, 1 x Home Button, 1 x ,Return Button, 1 x Power Button, 1 x Function Button		
Power			
Battery	7.7V, typ. 5900 mAh LiPolymer Battery (2S1P) 7.4V, typ. 10280 mAh LiPolymer Battery (2S2P) (Optional)	Battery Operating Time	8Hr

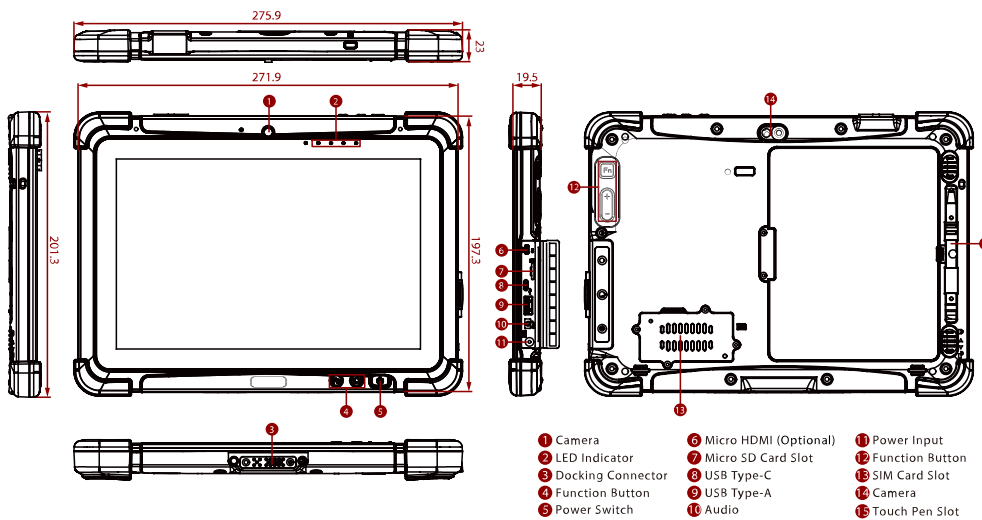
Warm swappable function (Optional)

Accessory	Optional Accessory
Adapter and Power Cord Standard Battery Capacitive Stylus	High Capacity Battery Desk Dock Vehicle Dock Vehicle Cradle Battery Charger Vehicle Charger Metal Vehicle Dock Hand Strap VESA Mount Kit Shoulder Strap Carry Bag Micro SD Card HDMI Adapter Stand with Integrated Handle Micro USB Cable

**Barcode Scanner**

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

**DIMENSIONS** W P Q K T



**NOTE**

F Total usable memory will be less dependent upon actual system configuration.  
 G Length measurements do not include protrusions. Weight varies with options.  
 3. Measured at dimming LCD brightness. Varies depending on the usage conditions.  
 4. Accessories may vary depending on your region.  
 H This is a simplified drawing and some components are not marked in detail.  
 I The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the NoteStar Sales Team for more information