Features

- 8" Full HD Display with Touch
- Octa-Core Processor, 2.0/2.2 Ghz
- Android 11 with Google Mobile Services
- Slim, Lightweight Design with MIL-STD-810H Rating
- Optional 2D scanner

Technical Specifications

Primary Components

Processor Family	MediaTek ARM Cortex-A55/A76
Processor Model	MT6833 OctaCore
Memory Type	Onboard DDR4L
Memory Support	8GB
Storage Type	Onboard eMMC Flash
Storage Support	128GB

Display

Screen Size	8"
Screen Resolution	1920 x 1200 (WUXGA)
Screen Ratio	16:10
Brightness	550 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)

External I/O Ports

USB	1x USB 2.0 type C (PD)
Other Ports	12 Pin Pogo
Power Input Port	USB Type-C OTG

Power

Standard Power Adapter	USB Type C, 9V 2A

Battery

Battery Type	Internal 3.8V/9500mAh Battery
Battery Operating Time	13hrs

Operating Systems

Android	Android 11

Expansion Slots

SD card	1x Micro SD Slot

Multimedia

Speakers	1x 1W Speaker
Camera	Front: 5MP, Rear: 13MP w/Flash
Microphone	Built-in Microphone

Thermal & Environmental

Operating Temperature	-10°C - 50°C (14°F – 122°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	5% – 95% Non-condensing
Storage Humidity	5% – 95% Non-condensing

Enclosure

Material	PC+ABS
IP Rating	IP65
Color	Black (Standard), White (with MOQ)
Control Buttons	Audio Down, Audio Up, Power Button, Scanner
Shock Rating	MIL-STD-810H
Drop Rating	4ft Drop Protection

Peripherals & Wireless Connectivity

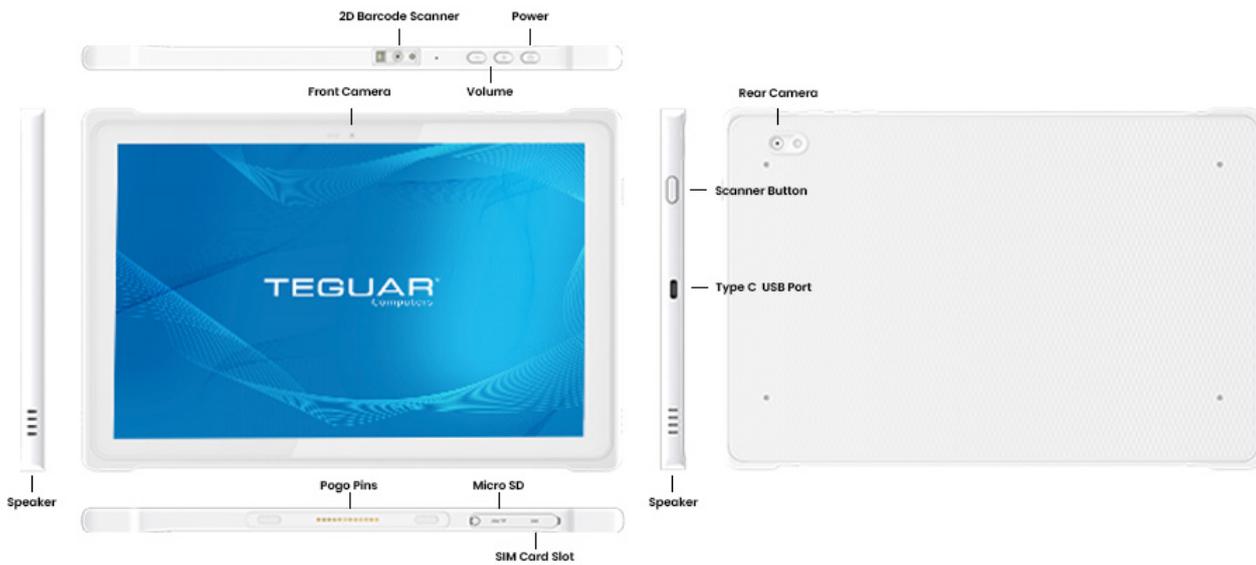|	
WiFi	802.11 a/b/g/n/ac (2.4Ghz + 5.0Ghz)
Bluetooth	Bluetooth 5.1
GPS	yes
Mobile Networks	2G/3G/4GLTE FDD/TDD, 5G (N1,3,5,28,38,41,77,78,79) Non Carrier certified
Sim Card	1x SIM Card Slot
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	NFC Built-in
Sensors	Accelerometer, Compass, Gyroscope, Light Sensor

Weight / Dimensions

Weight	0.5 kg (1.1 lbs)
Dimensions	219 x 12.5 x 139 mm (8.6 x 0.5 x 5.5 in)

Warranty

Warranty	1 Year

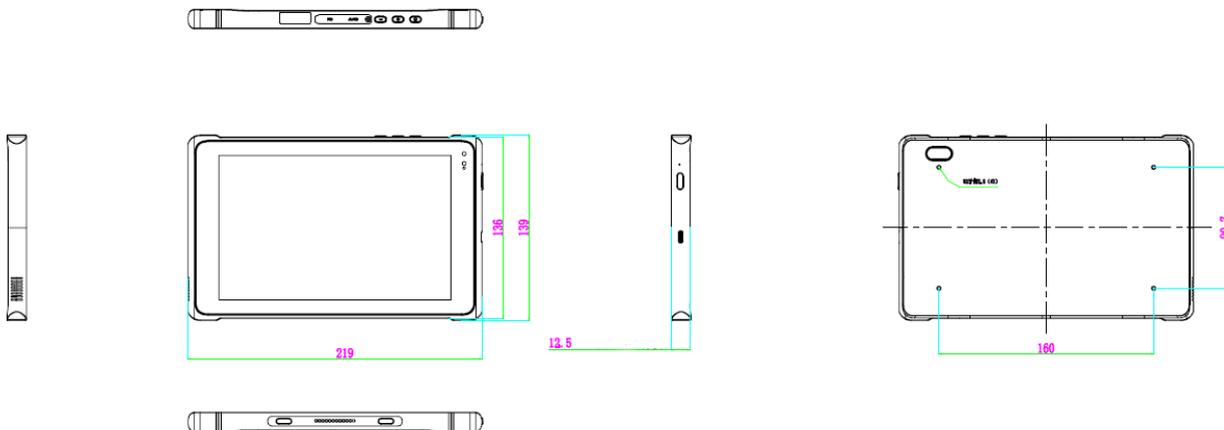## I/O Diagram Images

Tech Diagram Images

All specifications are subject to change without notice.