TEGUAR

TRT-A5780-08

8" Rugged Tablet Computer



Key Highlights

- 8" bright, anti-scratch touchscreen
- Mediatek G99 Ultimate Octa-Core CPU – Passmark Rating 4208
- Rugged housing – IP65 and MIL-STD-810H
- Fanless operation with swappable battery
- Android 14 with Google Mobile Services
- Optional 2D scanner & docking accessories available

VIEW ONLINE

The TRT-A5780-08 is a small-but-mighty Android tablet with a rugged enclosure. For situations where an Android phone would be too small but mobility is still key, the TRT-A5780-08 provides the perfect compromise. You get the functionality offered by an Android device with a larger (but not too large) screen, and it's all powered by a high-performance Mediatek G99 Ultimate Octa-Core CPU. With a bright, high-resolution display, 5 customizable function buttons on the side, and a removable and rechargeable battery for hot-swapping and both a front and back-facing camera, the TRT-A5780-08 packs a ton of value into a small form factor.

USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE
Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA
Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

Technical Specifications

Primary Components

Processor Family	MediaTek Helio ARM Cortex CPU
Processor Model	MT6789 (Octacore - 2x A76/6x A55)
Processor Speed	2x A76 Cores @ 2.2GHz, 6x A55 Cores @ 2.0GHz
Memory Type	Onboard LPDDR4
Memory Support	8GB
Storage Type	Onboard eMMC Flash
Storage Support	128GB

Power

Input Voltage Range	9V Maximum
Standard Power Adapter	US AC/DC USB-C Power Supply (18W Maximum)

Operating Systems

Android	Android 14

Expansion Slots

SD card	1x Micro SD Slot

Thermal & Environmental

Operating Temperature	-20°C - 60°C (-4°F – 140°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless
Humidity Range	95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Dual-Band WIFI (802.11 a/b/g/n/ac)
Bluetooth	Bluetooth 5.2
GPS	yes
Mobile Network 4G LTE	*Not Certified for USA Carrier Networks
Sim Card	2x SIM Card Slot
Barcode Scanner	Built-in 2D Barcode Scanner
RFID	NFC 13.56Mhz IEC-14443A/B, 15693, 18092, Mifare
Sensors	Accelerometer, Gyroscope, Light Sensor

Display

Screen Size	8"
Screen Ratio	16:10
Brightness	550 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)

External I/O Ports

USB	1x USB 2.0, 1x USB Type-C
Audio Ports	1x 3.5mm Headphone Jack
Power Input Port	USB Type-C (Supports PE+ 2.0 Fast Charging)

Battery

Battery Type	Internal 3.7V/8500mAh Battery
Battery Operating Time	8hrs (Default 50% volume, 50% Brightness, Playing 1080P Video)

Multimedia

Speakers	1x 0.8W Speaker
Camera	Front: 5MP, Rear: 13MP
Microphone	Built-in Microphone

Enclosure

IP Rating	IP65
Color	Black
Led Indicator Light	Charging Indicator
Control Buttons	Audio Down, Audio Up, Home, Power Button
Programmable Function Buttons	1x Programmable Function Key
Shock Rating	MIL-STD-810H
Drop Rating	1m Drop Resistant
Mounting Options	Desktop Stand, Forklift Mount, Vehicle Mount

Certification

Certifications	CE, FCC

Warranty

Warranty	1 Year

Specifications subject to change.

USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE
Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA
Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

I/O Diagram Images



USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE
Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA
Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw