

iq Tablet®

GeoTAB Product Datasheet



Powerful performance in everywhere

5MP front HD + 13MP rear autofocus cameras for video conferencing, work recording, and clearer imaging. Dual-speaker symmetrical design, playing sound sonorously for you whether indoors or outdoors. Front physical buttons with a clear layout, making it easy to hold and operate. Dual-band Wi-Fi, Bluetooth 5.1, 4G, providing stable and flexible Internet use experience and data sharing.

- 5MP+13MP
- Dual speakers
- "F" function key
- Advanced Connection

The **iq GeoTAB** is a rugged Android tablet designed for high-accuracy GNSS positioning, particularly suited for fieldwork in industries like surveying, mapping, agriculture, and power inspection.

Features:

Processor:

MediaTek MT6789 Octa-core (2x A76 @ 2.2GHz), ARM G57 MC2 GPU

Memory and storage:

8GB RAM / 128GB ROM

Display:

10.1" TFT LCD, 1920x1200 resolution, 700 nits brightness. Touchscreen with 10-point capacitive touch.

Operating System:

Android 12/GMS

Connectivity:

Wireless: WiFi 802.11 a/b/g/n/ac (2.4G + 5.8G), Bluetooth 5.2

- **Mobile Networks:** 2G/3G/4G supported

GNSS Support:

- **RTK Accuracy:**
 - Horizontal: 0.8 cm + 1 ppm
 - Vertical: 1.5 cm + 1 ppm
- **Satellite Systems:** BDS, GPS, GLONASS, Galileo, QZSS
- **Frequencies:** Multi-band (e.g., GPS L1/L2/L5, BDS B1I/B2I/B3I)

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Ports:

Includes USB 2.0 Type-A x1, USB Type-C x1, SIM Card x2, TF Card (up to 512GB), 3.5mm audio jack, 12-pin Pogo Pin

Battery:

10000mAh/3.8V, Removable Li-polymer battery

About 7 hours (connect to WiFi, maximum backlight brightness, RTK positioning test)

Reliability:

- **Certifications:** IP65, MIL-STD-810H
- **Drop Resistance:** 1.22m
- **Operating Temp:** -20°C to 60°C
- **Storage Temp:** -30°C to 70°C
- **Humidity:** Up to 95%, non-condensing

Removable battery for all-day work

Up to 10000mAh/3.8V capacity of the battery for up to 7 hours of endurance, and supports 18W PE+2.0 fast charging of Type-C interface, for faster charging and longer standby



- Removable 5000mAh battery
- PD Fast charging
- Built-in RTC small battery

Extraordinary performance, unbelievable steadiness

Multi-seal waterproof design and up to IP65 protection level, so there is no need to worry about environmental troubles and just need to focus on efficient work.

Passed a series of rigorous controlled tests based on the MIL-STD-810H standard, so that it can maintain stable operation in diverse harsh environments.



- Vibration test
- Drop test
- HI resistance
- LI resistance

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Technical Specifications:

Basic parameters		Battery	
Dimension	274.9*188.7*23.1mm (GNSS antenna: Diameter 27.5mm, length 113mm)	Capacity	10000mAh/3.8V
Weight	TBD	Type	Removable Li-polymer battery
Device Color	black	Endurance	7 hours (connect to WiFi, maximum backlight brightness, RTK positioning test)
LCD	10.1 inch TFT 16:10, 1920x1200, 700nits	Network connections	
Touch Panel	10 point capacitive touch screen	WiFi	802.11 a/b/g/n/ac (2.4G+5.8G)
Camera	Front 5.0MP Rear 13.0MP	Bluetooth	BT5.2 Transmission distance: 10m
I/O	USB 2.0 Type-A x 1, USB Type-C x 1, SIM Card x 2, TF Card (Three in one card holder), 12PIN Pogo Pin x 1, Φ3.5mm standard earphone jack x 1	4G	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B17/B20/B28A/B28B, WCDMA: B1/B2/B5/B8, GSM: B2/B3/B5/B8, LTE-TDD: B38/B39/B40/B41
Extension interface (3 choose 1)	RJ45 (10/100M) x 1 (standard), DB9 (RS232) x 1, USB 2.0 Type-A x 1	GNSS	BDS: B11, B21, B31, GPS: L1C/A, L2P(W), L5 GLONASS: L1, L2, Galileo: E1, E5b, E5a QZSS: L1, L2, L5, Single-point positioning: 2.5m RTK: Horizontal: 0.8 cm + 1 ppm Vertical: 1.5 cm + 1 ppm
Power	USB Type-C Interface, supports fast charging PE+2.0, maximum power of 18W, maximum 9V/2A	Reliability	
Performance parameter		Operate Temperature	-20 °C ~ 60 °C
CPU	ARM (OCTA Core)	Store Temperature	-30 °C ~ 70 °C
OS	Android 12/GMS	Humidity	95% Non-Condensing
RAM	8GB	Rugged Feature	IP65 certified, MIL-STD-810H certified
Storage	128GB	Drop Height	1.22m drop

High performance, low power consumption

Powered by an ARM octa-core processor with 2 Cortex-A76 and 6 Cortex-A55 based on a 6-nm process, EM-T17X presents an outstanding performance and excellent heat dissipation ability. Equipped with the Android 12 operating system, EM-T17X provides a broad and friendly operation environment, and a faster and more efficient user experience.

6nm
Process

8GB+128GB
8GB RAM + 128GB ROM