

iq Tablet®

GeoTAB T8 pro Product Datasheet



Product summary

The T8 Pro GNSS Tablet is a high precision handheld tablet for both GIS and land surveying. The most eye-catching highlight of T8 Pro is the all-in-one design of a GNSS antenna, high accuracy GNSS module and tablet display, reducing weight on users while ensuring stable centimetre-level positioning.

Detailed product description

Centimeter Accuracy

Embedded with high precision GNSS module, the T8 Pro can simultaneously track all running and planned constellations, providing centimetre level positioning accuracy to satisfy the demands of most GIS applications.

8 inch HD Touch Screen

Benefitting from the 8" HD large sunlight-readable display, T8 Pro can provide an excellent graphical user interface to improve user experience.

Light Carry Weight

T8 Pro integrates a GNSS module, GNSS tablet and GNSS antenna in one single device, no need for external antennas and receivers, reducing carry weight.

8000mAh Battery

With the large 8000mAh battery, the T8 Pro can work for more than 15 hours in the field, which greatly smoothens the users' workflow.

Dual Purpose

Powered by Android 10 OS, the T8 Pro is compatible with common GIS and land surveying software. The helix antenna of the T8 Pro can be replaced with a geodetic antenna, offering better GNSS signal quality for land surveying solutions.

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SYSTEM specifications

SYSTEM

CPU	Qualcomm 8953 2.2GHz
OS	Android10
ROM	64GB
RAM	4GB
TF Card	Support
Rear Camera	16M
Front Camera	8M
Battery	9000mAh, 15hrs working time

COMMUNICATION

WIFI	802.11 a/b/g/n/ac, 2.4GHz/5GHz
Network	GSM:850/900/1800/1900 CDMA: BC0 EVDO: BC0 WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 TDDLTE: Band38/Band39/Band40/Band41 FDDLTE: Band1/Band2/Band3/Band4/Band5/Band7/Band8/ Band17/Band20/Band28
Bluetooth	BT 4.2
SIM Card	Dual SIM & Dual standby
USB	Type C
External Interface	USB, UART, GPIO

GNSS SPECIFICATIONS

Channels	965
Satellite Tracking	- GPS: L1C/A, L2P, L2C, L5, L1C - BDS: B1I, B2I, B3I, B1C, B2a - GLONASS: L1, L2 - Galileo: E1, E5b, E5a - QZSS: L1C, L2, L5, L1C/A - Navic: L5 - SBAS: L1, L5
Single Baseline RTK	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
DGPS	0.2 m
Standalone	1.5 m 3D RMS

PHYSICAL

Size	237mm*144mm*14mm
LCD Display	8" HD Capacitive screen, 500Nits
Resolution	sunlight-readable
Weight	1280*800 pixels
Voltage	700g
Keypad	5V, 2A
Sensors	Power, Volume, F1, F2 Microphone, Speaker, Flash Light, NFC, G Sensor, Compass, Light Sensor, Gyroscope, OTG

ENVIRONMENTAL

Working Temperature	-20°C~ 60°C
Storage Temperature	-30°C~ 70°C
Waterproof & Dustproof	IP67
Drop Test	Survive from a 1.5m drop
Humidity	95% no condensation

BoM:

System comes complete with tablet Geodetic Software and Pole.

Note:

The helix antenna of T8 Pro is detachable, which can be replaced with geodetic antenna, providing better GNSS signal quality for land surveying solution.

