

T8 Pro

GNSS TABLET

Portable & Accurate For GIS and Surveying



DUAL-PURPOSE FOR GIS & LAND SURVEYING

Powered by Android 10 OS, T8 Pro is compatible with common GIS software and land surveying software. The helix antenna of T8 Pro can be replaced with geodetic antenna¹, offering better GNSS signal quality for land surveying solution. Benefit from the 8" HD sunlight-readable display, T8 Pro can provide an excellent graphical user interface to improve user experience.

CENTIMETER-LEVEL ACCURACY

Embedded with high precision GNSS module, the T8 Pro can simultaneously track all running and planned constellations, including GPS, GLONASS, BeiDou, Galileo, QZSS and Navic, providing centimeter level positioning accuracy to satisfy the demands of most GIS applications.

LIGHT YOUR BURDEN

T8 Pro integrates GNSS module, GNSS tablet and GNSS antenna in one single device, no need for external antennas and receivers, reducing your burden. With 9000mAh large battery, the T8 Pro can work for 12 hours in the field, which greatly smooths the workflow of users.

SYSTEM

CPU	2.0GHz, octa-core
OS	Android10
ROM	64GB
RAM	4GB
Extension	Support TF Card, up to 1TB

SATELLITES TRACKING

Channels	1408
BDS	B1I, B2I, B3I, B1C, B2a, B2b
GPS	L1C/A, L1C, L2C, L2P(Y), L5
GLONASS	G1, G2, G3
Galileo	E1, E5a, E5b, E6
QZSS	L1C/A, L1C, L2C, L5
NavIC	L5
SBAS	WAAS, EGNOS, SDCM, BDSBAS, GAGAN
L-Band	Support
Cold start	<30s
RTK Initialization Time	<5s(typical)
RTK initialization reliability	>99.9%
Re-acquisition	<1s

ACCURACY

Standalone	1.5m Horizontally 2.5m Vertically
DGPS	0.4m Horizontally 0.8m Vertically
RTK	8mm+1ppm Horizontally 15mm+1ppm Vertically
PPP	5cm Horizontally 10cm Vertically
SBAS	< 1.0 m 3D RMS
Time Accuracy	20ns

PHYSICAL

Size	235mm*146mm*14.5mm
LCD Display	8" HD Capacitive screen, 500 nits sunlight-readable
Resolution	1280*800 pixels
Weight	700g, with helix antenna
Keypad	Power, Volume up/down, F1, F2, Return, Home, Menu
Sensors	Speaker, Microphone, Flash Light, G- Sensor, Accelerometer, Light Sensor, Gyroscope

COMMUNICATION

WIFI	802.11 a/b/g/n/ac, 2.4GHz/5GHz
Network	- GSM: 850/900/1800/1900 - EVDO: BC0 - WCDMA: B1/B2/B5/B8 - TD-SCDMA: B34/ B39 - TDD-LTE: B38/B39/B40/B41 - FDD-LTE: B1/B2/B3/B4/B5/B7/B8/ B17/B20/B28
Bluetooth	BT 4.2
SIM Card	NANO SIM*2
USB	Type-C
NFC	13.56MHz

CAMERAS

Rear Camera	13M
Front Camera	5M

ELECTRICAL

Battery	9000mAh
Battery Life	12hrs working time

ENVIRONMENTAL

Working Temperature	-20°C~ 60°C
Storage Temperature	-30°C~ 70°C
Waterproof & Dustproof	IP67
Drop Test	Survive from a 1.2m drop
Humidity	95% no condensation

SOFTWARE

Compatible with common third-party GIS and field surveying software, such as ArcGIS Collector, Mapit GIS, FieldGenius Android etc.

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

All specifications are subject to change without notice.

©2026 SingularXYZ Intelligent Technology Ltd. All rights reserved. SingularXYZ® is the official trademark of SingularXYZ Intelligent Technology Ltd., registered in People's Republic of China, EU, USA. All other trademarks are the property of their respective owners.