

# T8

## GNSS TABLET

Clear & Smooth Field Experience



### SMOOTH USER EXPERIENCE

8" sunlight-readable touch screen of T8 tablet provides users with a clear graphic interface and flexible experience with any operations in field. The T8 features a 9000mAh large battery, light weight and IP67 waterproof & dustproof level, ensuring your uninterrupted work all day long even in harsh environments.

### STRONG HARDWARE DESIGN

Powered by Android 10 OS, T8 tablet is compatible with most Android-based field surveying software for your use. With a strong CPU for data processing, large internal memory for GNSS data recording, abundant sensors for various requirements of different users, the T8 tablet is equipped with robust hardware design meeting your demands.

### FLEXIBLE COMMUNICATION

Integrated with 4G/WiFi/Bluetooth/USB communication ways, T8 tablet is easy to connect and transmit with all kinds of external GNSS devices. Furthermore, the GPIO interface of T8 tablet is especially designed for developers to integrate additional features. SingularXYZ also provides a high precision version tablet – T8 Pro<sup>2</sup> by using the GPIO integration.

## SYSTEM

CPU	Qualcomm 8953 2.2GHz Android
OS	Android 10
ROM	64GB
RAM	4GB

## DISPLAY

LCD	8" HD
Brightness	500Nits, sunlight readable
Resolution	1280*800 pixels
Touch Panel	Capacitive screen, support glove/wet hand

## PHYSICAL & ELECTRICAL

Size	237*144*14mm
Weight	560g
Keypad	Power, Volume, F1, F2
Battery	9000mAh
Input Voltage	5V, 2A
Drop Test	Survive from a 1.5m drop
Waterproof & dustproof	IP67
Work Temperature	-20 °C ~ 60 °C
Storage Temperature	-30 °C ~ 70 °C

## GNSS PERFORMANCE<sup>1</sup>

Channels	72
GPS	L1 C/A
GLONASS	L10F
BeiDou	B1
Galileo	E1B/C
QZSS	L1 C/A
SBAS	L1 C/A Support WAAS, EGNOS, MSAS, GAGAN
Sensitivity	- Tracking & Nav: -167 dBm - Reacquisition: -160 dBm
Time to first fix	- Cold starts: 26 s - Aided start: 2 s - Hot start: 1 s
Horizontal Pos. Accuracy	2.0 m CEP
Velocity Accuracy	0.1m/s
Update Rate	Up to 10 Hz
GNSS Data Format	NMEA-0183
Antenna Type	Ceramic antenna

## COMMUNICATION

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

## HARDWARE

Rear Camera	16M
Front Camera	8M
TF Card	Y
OTG	Y
NFC	Y
Microphone	Y
Speaker	1.5W, waterproof
G Sensor	Y
Gyroscope	Y
Light Sensor	Y
Compass	Y
Flash Light	Y
2D scanner	Optional
External GNSS Antenna	Support
Satellites tracking	BeiDou/GPS/GLONASS/GALILEO
High Precision GNSS	Support <sup>2</sup>

1. The tablet supports concurrent reception of up to 3 GNSS.

2. The T8 Pro GNSS tablet is a high precision version of T8 GNSS tablet that integrated with a high precision GNSS module.

All specifications are subject to change without notice.