

SYSTEM

CPU	2.0GHz, octa-core
OS	Android10
ROM	128GB
RAM	6GB
Extension	Support TF Card, up to 256GB

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
Static post-processing	2.5mm+0.5ppm Horizontally 5mm+0.5ppm 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, 550n its sunlight-readable
Resolution	1280*800 pixels
Weight	700g, with helix antenna
Keypad	Power, Volume up/down, F1, F2 Return, Home
Sensors	Speaker, Microphone, Flash Light, G-Sensor, E-Compass, Light Sensor, Gyroscope

COMMUNICATION

WIFI	802.11 a/b/g/n/ac, 2.4GHz/5GHz
Network	FDD-LTE: B1/B3/B5/B7/B8 TDD-LTE: B38/B39/B40/B41 WCDMA:B1/B5/B8
Bluetooth	BT 5.0 @BLE
SIM Card	NANO SIM*1
USB	Type-C,OTG
NFC	13.56MHz, work distance ≥ 3cm
Earphone	3.5mm interface

CAMERAS

Rear Camera	13M
Front Camera	5M

ELECTRICAL

Battery	8200mAh
Battery Life	Over 10hrs working time
Charging Time	Less than 4hrs

ENVIRONMENTAL

Working Temperature	-10°C~ 55°C
Storage Temperature	-40°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.

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