





GNSS Receiver T5Lite Economical handheld RTK





T5Lite GNSS Receiver

T5Lite is a mini portable multifunctional GNSS receiver, a new generation of measurement engine supporting tilt measurement, built-in 4G Modem, Bluetooth and WIFI. It adopts a new appearance design, magnesium alloy structure and Linux operating system. It is an economical and portable geodesic GNSS receiver.

CHARACTERISTIC

Linux Intelligent System

ARM Cortex-A7 + Linux, the intelligent system platform, brings efficient computing and unlimited expansion of product functions to users.

Multi Constellation

With its 1408 channels, T5Lite provides an excellent on board real time navigation solution with high accuracy. All GNSS signals (GPS, GLONASS, BDS, GALILEO, QZSS, SBAS and IRNSS) are included.

Tilt Measurement

T5Lite has the IMU module. Fast initialization and up to 60° inclination.

Combined Antenna

The new four in one antenna integrates GNSS, WIFI, Bluetooth and 4G, with smaller volume and better signal.

4G Modem

T5Lite has an internal 4G Modem that operates with more cellular network signals, a fast internet connection is guaranteed.

Long Endurance

Built in high-capacity lithium battery ensures continuous working time of more than 16 hours under normal operation.

IP65 Design

Industrial design, solid magnesium ally shell, in line with IP65 design requirements, safe and reliable.



T5Lite GNSS Receiver

Economical handheld RTK

main body Magnesium alloy ABS/PC top cover

1408 Channel

GPS GLONASS BDS GALILEO QZSS SBAS

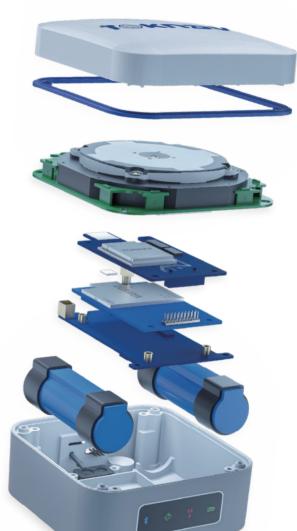
32GB storage

3.7V, 9600mAh

Over 16 Hours

Portable and smart Weight 600g

> IMU60 supported Fast initialization



Economical handheld



HEIGHT DIAMETER WEIGHT 100.5 mm 600g

10cm mini size, weighing only 600g.

Measure at will with IMU60

A 9600mAh battery, with a runtime of up to 16 hours.

SPECIFICATION

S'	YSTEM	
HARDWARE SYSTEM	ARM Cortex-A71.8GHz	
OS	Linux	
GNSS		
GPS	L1C/A, L1C, L2P(Y), L2C, L5	
GLONASS	L1, L2, L3	
BDS	B1I, B2I, B3I, B1C, B2a, B2b(PPP)	
GALILEO	E1, E5a, E5b, E6(PPP)	
QZSS	L1, L2, L5	
SBAS	L1(PPP)	
NavIC (IRNSS)	L5*(IRNSS support in future)	
Channel	1408	
Standard Output	NMEA-0183	
Correction I/O Protocol	RTCM 3.X	
Frequency	5Hz(max)	
Reacquisition Time	<1s	
Cold Start Time	<40s	
ACCURACY		
SINGLE (RMS)	Horizontal: 1.5m / Vertical: 2.5m	
DGPS (RMS)	Horizontal: 0.4m / Vertical: 0.8m	
RTK (RMS)	Horizontal: ± (8mm+1ppm) Vertical: ± (15mm+1ppm)	
Timing Precision (RMS)	20ns	
Static Mode Precision (RMS)	Horizontal: \pm (2.5mm+1ppm) Vertical: \pm (5mm+1ppm)	
Velocity Estimation (RMS)	0.03m/s	
Tilt Correction	<2cm	

SYSTEM PLATFORM		
Bluetooth	BR+EDR+BLE	
WIFI	802.11 b/g/n	
Network	LTE FDD: B1/2/3/5/8 LTE TDD: B38/39/40/41 GSM: 900/1800MHz	
Storage	32GB Storage	

<2cm

INIT	DICATOR	
Bluetooth Indicator	Show Bluetooth status	
Satellite Indicator	Show position status	
Data link Indicator	Show differential signal status	
Power Indicator	Show power status	
BATTERY		
Battery	3.7V, 9600mAh	
Work time	More than 16 hours (Typical, Rover, GSM) The static working mode supports continuous data collection for 24 hours	
Charge	MTK PE+1.1/2.0 9V/2A USB PD 12V/1.25A 5V/3A (Support fast charging adapter andadaptively and dynamically adjustcharging current)	
ENVIRONMENT		
Work Temperature	-20°C~+60°C	
Storage Temperature	-40°C~+85°C	
Shock Resistance	Can withstand a 1.5m drop at normal temperatures	
Protection Rating	IP65	
PHYSICAL		
Materials	Magnesium alloy main body, ABS/PC top cover	
Dimensions	100.5mm*100.5mm*69mm	
Weight	600g	
ACCESSORIES		
T5Lite Device	1SET	
USB power adapter	1PCS	
USB A To Type-C	1PCS	
CERTIFICATION		
Regulatory Compliance	CE, NGS	

jinfo@toknav.cn **j**info@toknav.cn **j**info@toknav.cn **j**info@toknav.cn

info@toknav.cn

info@to

Regulatory Compliance

Manufacturers may update parameters at any time, please refer to the latest product information.



(Within 60°)

Europe, North & South America
Tel & WhatsApp: +1 (323) 847-77 Tel & WhatsApp: +1 (323) 847-7713 (lan) Asia, Africa & Oceania Tel & WhatsApp: +86139 2607 5986 (Jeffrey)

Guangzhou Toksurvey Information Technology Co., Ltd No. 9 Caipin Road, Building B, Room 902-3, Huangpu District, Guangzhou, China

(€ 🤡