

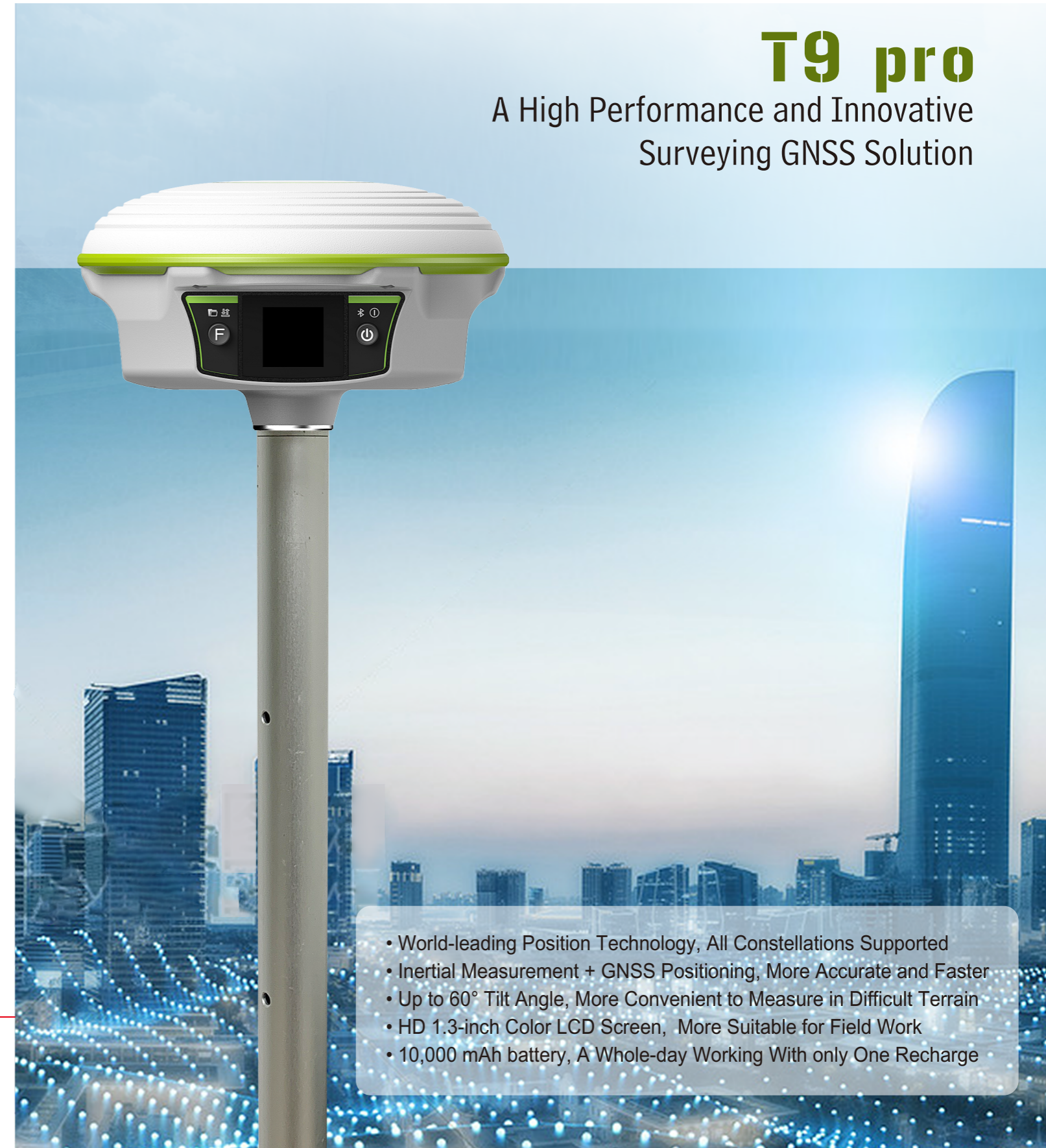
SPECIFICATIONS

Satellite Signals Tracked Simultaneously	
Signal tracking	1598 channels (336 channels optional) GPS: L1,L1C,L2C,L2P,L5 GLO: G1,G2,G3 BDS:BDS-2: B1I,B2I,BDS-3: B3I,B3I,B1C,B2a,B2b* GAL: E1,E5A,E5B,E6C,AltBOC* QZSS:L1,L2C,L5* SBAS:L1* IRNSS: L5*
GNSS features	
	MSS L-Band (Reserve) Positioning output rate:1Hz~20Hz Initialization time:<10s Initialization reliability:>99.99%
Positioning precision	
Code differential GNSS positioning	Horizontal: ±0.25m+1ppm Vertical: ±0.50m+1ppm SBAS positioning accuracy:typically<5m 3DRMS
Static GNSS surveying	Horizontal: ±2.5mm+0.5ppm Vertical: ±5mm+0.5ppm
Real-time kinematic surveying	Horizontal: ±8mm+1ppm Vertical: ±15mm+1ppm
NetworkRTK	Horizontal: ±8mm+0.5ppm Vertical: ±15mm+0.5ppm
User interaction	
Operating system	Linux
Buttons	Double buttons operation
Indicators	Four indicate lights
Web UI	Freely to configure and monitor the receiver by accessing to the web server via Wi-Fi and USB
Voice guide	iVoice intelligent voice technology provides status and voice guide Supporting Chinese, English, Korean, Russian, Portuguese, Spanish, Turkish and user define
Secondary development	
	Providing secondary development package
Hardware performance	
Dimension	166mm(Diameter)x96.1mm(Height)
Weight	1.2kg (battery included)
Material	Magnesium aluminum alloy shell
Operating	-45°C~+70°C
Storage	-55°C~+85°C
Humidity	100% Non-condensing
Waterproof/Dustproof	IP68 standard, protected from long time immersion to depth of 1m IP68 standard, fully protected against blowing dust
Shock and vibration	MIL-STD-810G, Withstand 2 meters pole drop onto the cement ground naturally
Power Supply	9-28V DC, overvoltage protection
Battery	10000mAh,7.4V
Battery life	Static mode 16h ,Rover mode 15h,Base mode 8h
Communications	
I/O port	5PIN LEMO external power port + RS232, Type-c external USB(OTG)+Ethernet +Fast charge,UHF antenna port
Wireless modem	Built-in radio, 1W/2W/3W switchable, typically work range can be 15KM with Farlink Radio and internet repeater switchable
Frequency Range	410-470MHz
Communication Protocol	Farlink,Trimtalk450s, SOUTH,HUACE,Hi-target,Satel
Cellular Mobile Network	Advanced 4G network communication module, downward compatible with 3G/2G
Double Module Bluetooth	BLEBluetooth 4.0 standard, support for android, ios cellphone connection Bluetooth 2.1 + EDR standard
NFC Communication	Realizing close range (shorter than 10cm) automatic pair between receiver and controller (controller equipped NFC wireless communication module needed)
WIFI	
Standard	802.11 b/g standard
WIFI Hotspot	The WIFI hotspot allows any mobile terminal to connect and access to the internal webserver for the control and monitor receiver
WIFI data link	To work as the datalink that receiver is able to broadcast and receive differential data via WIFI
Data storage/ Transmission	
Data Storage	8GB SSD internal storage Support external USB storage and automatical cycle storage Changeable record interval, up to 20Hz raw data collection
Data Transmission	USB data transmission, supporting FTP/HTTP data download
Data Format	Differential data format: CMR, sCMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinates, Binary code Network model support: VRS, FKP, MAC, fully support NTRIP protocol
Inertial sensing system	
Tilt Angle	Up to 60 degrees
Accuracy	Down to 2cm
Thermometer	Built-in thermometer sensors, adopting intelligent temperature control technology which can monitor and adjust the temperature of receiver in real time

SANDING
EVERY POINT MATTERS

T9 pro

A High Performance and Innovative
Surveying GNSS Solution



- World-leading Position Technology, All Constellations Supported
- Inertial Measurement + GNSS Positioning, More Accurate and Faster
- Up to 60° Tilt Angle, More Convenient to Measure in Difficult Terrain
- HD 1.3-inch Color LCD Screen, More Suitable for Field Work
- 10,000 mAh battery, A Whole-day Working With only One Recharge

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T9 pro

A High Performance and Innovative Surveying GNSS Solution



Outstanding GNSS performance

Equipped with new generation the most powerful GNSS RTK engine with 1598 channels, T9Pro can track signal from all constellations including B3 signal of BDS satellites. Its high-performance GNSS antenna is upgraded with strong anti-interference ability and sensitive satellite signal capture ability, to track more satellite in harsh environment. system is much higher, it can be adapt to the job of longer uninterrupted power.

Inertial Measurement, a technology that greatly improves efficiency.

The latest inertial measurement technology is onboard with T9Pro. The tilt survey is no more affected by the earth's magnetic field and requires no correction. It can be activated and start working within only few seconds. With a maximum tilt angle of 60°, there is no need for centering, this fast positioning will increase measurement speed by over 30%. The combination algorithm of IMU + GNSS can get fixed solution faster and keep measurement results more stable.

Farlink protocol, Improved Functions and Higher Performance

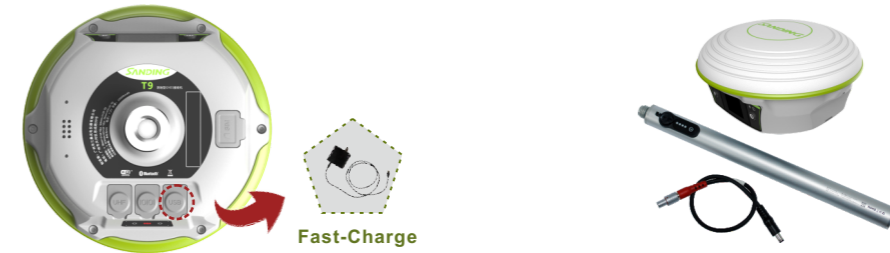
Adopts an internal radio with 3W maximum transmission power to achieve the typical working range as 15km through "Far-link" protocol. The transmission bandwidth becomes large, which perfectly solves the problem of large data volume of multiple constellations transmission. And the power consumption can reduce about 60% in the same amount of data transmission compare to the traditional RTK.

Other Features



10,000 mAh Battery, A whole-day working With only one recharge

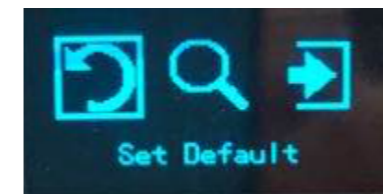
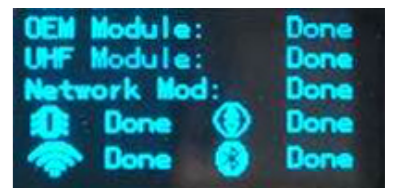
10,000 mAh battery, a whole-day working With only one recharge. Support fast-charge. Adopt Type-C interface design, which be fully charged within 3.5 hours. 6-28V DC supply voltage with overvoltage protection. And T9Pro supports battery pole supply mode, increasing extra working time 5 hours.



Increase Your Efficiency with 10 Innovative Designs!

Make your workflow simpler and Smoother

- Quickly switch working mode & data link, without handheld controller and mobile phone.
- Quickly check system information on receiver screen, no need of other device.
- Quickly launch PPK measurement program, without handheld controller.
- Precisely display self-check status on receiver screen, save time, never miss information.

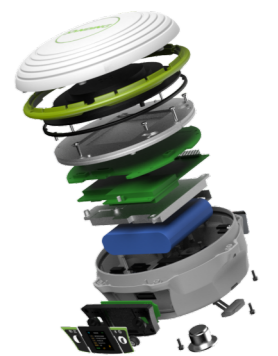


Make you work easier and comfortable

- Re-designed self-check program, only one press to activate it.
- Two steps to restore factory default setting, operation in WebUI is not needed.
- Menu display and voice guide in 8 languages.

Make you working result more reliable

- Newly designed GNSS / Network / wifi / BT all-in-one antenna, enhances signal strength and stability.
- Static data recording status, data size, time can be viewed on screen in real time, to prevent data loss and rework.
- PPK data recording status can be viewed on screen, to prevent data loss and rework.



Recommended Partners

SurvX Field Software

- Android software SurvX Easy-to-use work flow
- Useful survey tools
- Google map supported
- DXF, DWG import & display
- Advanced roading, surfacing, slope staking.
- Multi-language is available



H6 Data Collector

- Android 8.1 OS, 5.0 inch touch screen, google service is fully usable.
- 9200mAh, typical battery life is more than 20h, standby time is up to 240h.
- Fast charging. Be fully charged within 4 hours.
- Full-featured numeric and letter physical keyboard speeds up your data input.
- Octa-core 2.0GHz CPU, 4GB RAM, 64GB storage memory, ensures a smooth operation.
- 4G network communication, reliable data transmission.
- P67 water/ dust proof, built to work in challenging environment.

