SPECIFICATIONS

Satellite signals tracked simultaneou	sly
Signal tracking	965 channels
	GPS: L1, L1C, L2C, L2P, L5
	GLO: G1, G2, G3
	BDS: BDS-2: B1I, B2I, B3I BDS-3: B1I, B3I, B1C, B2a, B2b*
	DD3. DD3-2. D11, D21, D31 DD3-3. D11, D31, D1C, D2d, D2U
	GAL: E1, E5A, E5B, E6C, AltBOC*
	QZSS: L1, L2C, L5*
	SBAS: L1*
	IRNSS: L5*
	MSS L-Band (Reserve)
	Positioning output rate:1Hz~20Hz
2100 (
GNSS features	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
	Horizontali, 12. omni 4. opni – Verticali, 15. mintro. Sppin
Real-time kinematic surveying	Horizontal: ±8mm+1ppm Vertical: ±15mm+1ppm
letwork RTK	Horizontal: ±8mm+0.5ppm Vertical: ±15mm+0.5ppm
MU tilt compensation	Additional horizontal pole tip uncertainty typically less than 10mm + 0.7 mm/° tilt down to 30°
MU tilt angle	0°~60°
ser interaction	
peraing system	Linux
Suttons	
	Onebutton operation
ndicators	Fourindicate lights
Veb 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	Troviaing Secondary development paskage
	105 /5:
Dimension	135mm(Diameter)x84.75mm(Height)
/eight	0.97kg (battery included)
Material	Magnesium aluminum alloy shell
Operating	-45℃~+70℃
Storag	-55°C~+85°C
lumidity	100% Non-condensing
Waterproof/Dustproof	IP67 standard, protected from long time immersion to depth of 1m
	IP67 standard, fully protected against blowing dust
Shock and vibration	Withstand 2 meters pole drop onto the cement ground naturally
Power Supply	9-28V DC, overvoltage protection
Battery	Internal Li-on, 6800mAh, 3.7V
Battery life	Static mode 10 h, Rover mode 8h,Base mode 8h
	Static mode 10 ft, Novel mode off, base mode off
Communications	
I/O port	5PIN LEMO external power port + RS232, 7PIN external USB(OTG)+Ethernet
	1 radio antenna interface
Vireless modem	Built-in radio, 1W, typically work range can be 5KM
VII CICOO TITOGOTTI	Radio repeater
requency Range	410-470MHz
Communication Protocol	Farlink, Trimtalk450s, SOUTH, HUACE, Hi-target, Satel
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
5 Communication	(controller equipped NFC wireless communication module needed)
VIEL	(controlled equipped 14 o wholess continuingation module needed)
VIFI	200 44 k/s standard
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 moditor receiver
VIFI data link	To work as the datalink that receiver is able to broadcast and receive differential data via WIFI
Data storage/ Transmission	
	8GB SSD internal storage
Data Storage	
	Support external USB storage and automatical cycle storage
	Changeable record interval, up to 20Hz raw data collection
ata 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
Data Format	GPS output data format: NMEA 0183, PJK plane coordinates, Binary code
	Network model support: VRS, FKP, MAC, fully support NTRIP protocol
nertial sensing system	
ilt angle	Up to 60 degrees
Accuracy	Less than 2cm
electronic bubble	Controller software display electronic bubble, checking leveling status of the centering rod real time
Thermometer	Built-in thermomter sensors, adopting intelligent temperature control technology which can monitor and
	adjust the temperature of receiver in real time



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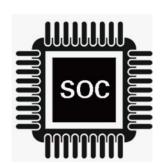




— Brand new diminutive RTK receiver —







Outstanding GNSS performance

Equipped with new generation the most powerful GNSS RTK engine with 965 channels, GT7 can track signal from all consatellations 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 environments. system is much higher, it can be adapt to the job of longer uninterrupted power.

Ultimate portability

Highly integrated GNSS antenna, Bluetooth module and WIFI module, leading the design trend of miniaturization, light weight, and portable RTK to a new height. Magnesium alloy housing, tough line design, more delicate surface decoration, stronger sense of technological design, more durable.





Innovative design

Single button boot design, one button evokes all RTK operations. The body screen adopts a translucent high-strength panel, which has a stronger visual sense of technology. Plus four indicator lights, common information is clear at a glance. Double speaker design, three-dimensional sound broadcast, remove noise barriers, and receive clearer sound.

Long Range radio link

Built-in transceiver integrated radio, working frequency 410-470MHz. TrimTalk450S, TrimMark3, SOUTH, CHC, SATEL, HI-TARGET are all compatible. Equipped with Far-Link "Simultaneous" radio module, based on Farlink protocol, it can increase the sensitivity and efficiency of radio signal, achieve the typical working range as 5KM operation, and meet the needs of customers for small and mediumscale.



Barrier-Free Measurement



Built-in 6800mAh high-capacity battery, the battery life is more than 10 hours, one charge, meets all-day work. Equipped with fast charging charger, which can be fully charged within 5 hours. The battery core can be recharged with long life, and performance is more secure and reliable.

IMU survey

Built-in IMU compensator, correct the coordinates according to the tilt direction and angle of the centering rod automatically within 60°, assist you quickly and accurately survey or stake out points without leveling the pole, error less than 3cm within 45° inclination, improve working efficiency by 20%.

