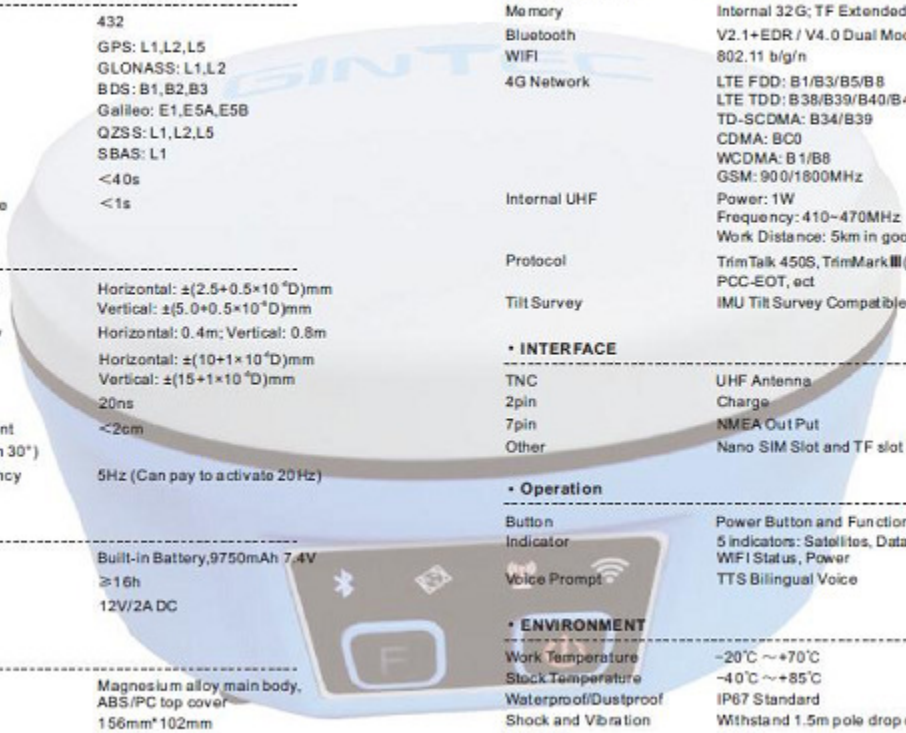
Specifications



• GNSS

Channel	432
Satellites	GPS: L1,L2,L5 GLONASS: L1,L2 BDS: B1,B2,B3 Galileo: E1,E5A,E5B QZSS: L1,L2,L5 SBAS: L1
Cold start	<40s
Signal recapture	<1s

• Accuracy

Static Accuracy	Horizontal: ±(2.5+0.5×10⁻⁶D)mm Vertical: ±(5.0+0.5×10⁻⁶D)mm
DGPS Accuracy	Horizontal: 0.4m; Vertical: 0.8m
RTK Accuracy	Horizontal: ±(10+1×10⁻⁶D)mm Vertical: ±(15+1×10⁻⁶D)mm
Time Accuracy	20ns
Tilt Measurement Accuracy(within 30°)	<2cm
Update Frequency	5Hz (Can pay to activate 20Hz)

• POWER

Battery	Built-in Battery,9750mAh 7.4V
Duration	≥16h
Input	12V/2A DC

• Physical

Material	Magnesium alloy main body, ABS/PC top cover
Dimension	156mm*102mm
Weight	1.4KG

• SYSTEM

Operation System	Linux
Memory	Internal 32G; TF Extended
Bluetooth	V2.1+EDR / V4.0 Dual Mode
WIFI	802.11 b/g/n
4G Network	LTE FDD: B1/B3/B5/B8 LTE TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39 CDMA: BC0 WCDMA: B1/B8 GSM: 900/1800MHz
Internal UHF	Power: 1W Frequency: 410~470MHz Work Distance: 5km in good environment
Protocol	TrimTalk 450S, TrimMarkⅢ(19200),SOUTH, PCC-EOT, ect
Tilt Survey	IMU Tilt Survey Compatible with SurPad

• INTERFACE

TNC	UHF Antenna
2pin	Charge
7pin	NMEA Out Put
Other	Nano SIM Slot and TF slot

• Operation

Button	Power Button and Function Button
Indicator	5 indicators: Satellites, Datalink, Bluetooth, WIFI Status, Power
Voice Prompt	TTS Bilingual Voice

• ENVIRONMENT

Work Temperature	-20℃ ~+70℃
Stock Temperature	-40℃ ~+85℃
Waterproof/Dustproof	IP67 Standard
Shock and Vibration	Withstand 1.5m pole drop onto the cement ground
Humidity	100%