

Compass 3

Portable GNSS Receiver



The Compass 3 integrates with precision GNSS module, high-performance antenna, 4G network module, Wi-Fi and Bluetooth. Support GPS, GLONASS, GALILEO, BD. Light and rugged, compatible with a variety of equipment. Centimeter positioning accuracy, to fulfill the purpose of field user.

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Features



High precision positioning: Supports GPS, GLONASS, GALILEO, BD. Centimeter accuracy level when connecting to CORS.



4G module: compatible with 3G and 2G, providing high speed real-time position and GIS transmission service.



Intelligent platform: Embedded Linux OS, it is faster and more efficient to configure by webUI.



Fence protection: Supports electronic fence system, to protect user from potential dangerous area.



Easy to use: Connect with PAD and phone via Bluetooth, compatible with Android, IOS, Windows Mobile device.



Rugged design, with IP67 waterproof and dustproof, 1.5m drop proof.



	Compass 3
OS	Linux
CPU	A5
RAM	512M
ROM	8GB
Output	NMEA-0183, TSIP
Correction format	RTCM3 / RTCA / CMR
Output frequency	1Hz
Warm start	2s
Cold start	24s
Channels	184
GPS	L1, L2
GLONASS	L1, L2
GALILEO	E1, E5
BD	B1, B2
QZSS	L1, L2
Autonomous	2.5m
Real-time kinematic	2cm+1ppm (CEP)
I/O port	Type-C, support OTG
webUI	accessible via Wi-Fi hotspot
Bluetooth	Bluetooth v2.1+EDR/v4.1
Network	4G (Nano-SIM card)
Data upload	automatically upload data to cloud server
SDK	support
Application	GISTAR/EGSTAR
SOUTH Cloud service	support
Battery	3.8V 4800mAh
Operating temperature	-20°C~60°C
Storage temperature	-30°C~70°C
Drop	1.5m
Waterproof/Dustproof	IP67
Size	154*68*32mm
Weight	273g