



Size: 137 mm × 72 mm × 50.4 mm

Weight: About 0.35 Kg

G200 GNSS Receiver

MULTI CONSTELLATION GNSS AND SUPERIOR PERFORMANCE

The G200 is a rugged, compact, wearable GNSS receiver that provides centimeter accuracy positioning to any connected mobile devices. Combined with the high-performance SinoGNSS OEM board tracking GPS L1/L2/L5, BeiDou B1/B2/B3/B1C/B2a/B2b, GLONASS L1/L2, Galileo E1/E5a/E5b/E6/ E5AltBOC, QZSS L1/L2C/L5, IRNSS L5 and SBAS, the G200 gives you confidence in achieving reliable high-precision GNSS performance for your land survey tasks anywhere in the world.

Features

Full constellations and multi-frequency

High-accuracy Positioning

Ideal for RTK Solution

Compact, Rugged Design

Multiple Data Collection Device Choices via Bluetooth Connection

ENHANCED BLUETOOTH® CONNECTIVITY

With the enhanced Bluetooth® connectivity - the G200 can be easily connected to devices with Android™ and Windows™ Mobile operating systems. No heavy, expensive data collectors required and no compromise with quality but at an affordable price for every surveyor.

SMART BATTERY DESIGN

The 3400 mAh battery provides up to 15 hours continuous operation, and fast charging design can save much of your time, enhancing efficiency and productivity in the field.

EASE OF USE

The G200 is able to deliver robust survey workflows with SinoGNSS Android-based Survey Master Software, so that you collect quality high-accuracy positions no matter what mobile device you use. With dimension of 137 mm × 72 mm × 50.4 mm and weighing less than 350 g, the G200 can go wherever you go for your multiple high-precision survey demands.

G200 GNSS Receiver

G Series GNSS Receiver

Ver.2022.02.15

Signal Tracking

Channels	965
GPS	L1 C/A, L2C, L2P, L5
BeiDou	B1, B2, B3
BeiDou Global Signal	B1C, B2a, B2b
GLONASS	L1 C/A, L1P, L2C/A, L2P
GALILEO	E1, E5a, E5b, E6, E5 AltBOC
QZSS	L1, L2C, L5
IRNSS	L5
SBAS	WAAS, EGNOS, MSAS, GAGAN,SDCM

Performance Specifications

Cold start	<50 s
Warm start	<30 s
Hot start	<15 s
Signal reacquisition	<1.5 s
RTK Initialization time	<10 s
Initialization reliability	>99.9%

Positioning Specifications

Post Processing	2.5 mm + 1 ppm Horizontal 5 mm + 1 ppm Vertical
Single Baseline RTK	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
DGPS	<0.4m RMS
Standalone	1m 3D RMS
SBAS	1.5m 3D RMS

Communications:

Bluetooth® 4.0	Compatible with Android™ and Windows™ mobile OS
Support Ntrip protocol (based on software)	
1 serial port (9 pin Fischer), 1 Fischer connector	
3 LEDs (indicating Power, Satellite Tracking and Bluetooth)	

Data Format

Correction data I/O	RTCM 2.X, 3.X, CMR(GPS only), CMR+(GPS only)
Position data output	ASCII: NMEA-0183 GGA, GSA, GSV, RMC, HDT, VHD, ZDA, VTG, GST, GLL; PTNL, PJK; PTNL, AVR; PTNL, GSK ComNav Binary BINEX Data: 0x00, 0x01-01, 0x01-02, 0x01-05, 0x7d-00, 0x7e-00, 0x7f-05 Position data output rate: 1 Hz, 2 Hz, 5 Hz, 10 Hz,20Hz

Physical

Size(L x W x H)	137 mm × 72 mm × 50.4 mm
Weight	<0.35 kg (with 1 battery inside)

Environmental

Operating temperature	-20 °C to +60 °C
Storage temperature	-30 °C to +70 °C
Waterproof and dust-proof	IP65
Shock and vibration	Survive a 1.5m nature drop onto concrete

Electrical

Battery capacity	3400 mAh
Power consumption	1.6 W
Working time	Over 15 h continuous work
Charging time	2.5 h

Accessories

AT360 GNSS antenna

Software

Compass Receiver Utility software
Survey Master Software