

PERFORMANCE SPECIFICATIONS

Satellite Signals Tracked Simultaneously

Channels.....	184
GPS.....	L1C/A, L2C
GLONASS.....	L1OF, L2OF
BDS	B1I, B2I
Galileo.....	E1-B/C, E5b
QZSS.....	L1C/A, L2C

Positioning Performance

Real Time Kinematic (RTK) Surveying

Horizontal.....	± 30 mm + 1ppm
Vertical	± 50 mm + 1ppm

Post Processing Kinematic (PPK) Surveying

Horizontal.....	± 30 mm + 1ppm
Vertical.....	± 50 mm + 1ppm

Physical

Internal Battery.....	3200mAh/7.2V
External Power.....	6-28V
Power Consumption.....	≤2.2W
Full Charge.....	≤3.5h
Working Endurance.....	≥10h
Dimensions(L x W x H).....	65mm x 65mm x 166mm
Weight	≤550g

Control Panel

Physical Button	1
LED Lamp	1

Environment

Water/Dustproof	IP65
Shock and Vibration.....	Survive from a 1.2m natural fall on to ground
Humidity	100%, condensing
Operation Temperature	-20°C~50°C
Storage Temperature	-30°C~60°C

I/O Interface

1 x Type-C
1 x nano SIM
1 x DC power input (5 pin)

Communication

Bluetooth 4.2/2.1+EDR
Network Communication:
Full band support for 4G cellular mobile network(TDD-LTE, FDD-LTE, WCDMA, EDGE, GPRS, GSM)
WiFi frequency is 2.4G, support 802.11b/g/n protocol.
Support Web UI

Data Formats

Output Rate	1Hz position output, up to 5Hz
Message Type	RTCM 3.3
Data Output	NMEA
Navigation Outputs ASCII	RINEX

System Configuration

Data Storage	8G Internal memory
Operation System	Linux
Initialization Time	<10s Typically



AUTHORIZED DISTRIBUTION PARTNER

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CE IP65



Powerful and Versatile GNSS Sensor to Enhance Positioning

With its cutting-edge technology, compatible and portable design, inno 1 brings users both centimeter-level positioning accuracy and excellent experience at a user-friendly cost.

inno 1 — born to enhance positioning for geospatial applications.



High precise positioning



2.4G WIFI Web UI



Compact and lightweight



Strong compatibility



Operation time ≥ 10 hours

Provides positioning with centimeter-level precision

inno 1 supports GPS/ GLONASS/ BeiDou/ Galileo/ QZSS satellite constellations, providing centimeter-level accurate and cost-friendly solutions for traditional surveying and GIS applications.

Innovative, compact, rugged, but lightweight

With its one-piece plastic upper half shell and aluminum alloy lower half-shell, inno 1 is both portable and versatile. Its streamlined design and weight of just 550g mean this device can be carried anywhere and is perfectly suited to those applications where space is limited.

Provides a variety of compatible possibilities

Compatible with most mobile devices, inno 1 even satisfies the high standards of applications that demand excellent performance, greater efficiency and easy accessibility.



Application Insight

● ● ● Base Station for Drone Surveying

inno 1 delivers centimeter-level accuracy with extremely fast data update frequency. Its ability to receive more satellite signals within a limited time, even in tough conditions like built-up areas, makes inno 1 an ideal solution for drone surveying that requires highly dynamic data streaming.

● ● ● Flexible Sensor for Integration

inno 1 have compact design, flexible connectivity and reliable positioning performance, which can work as a sensor in monitoring, machine control and other high-precision applications.



● ● ● Easy Receiver for Geospatial Data Collection

As a user-friendly product with strong interaction functions, inno 1 is compatible with the various operating platforms of portable devices, offering users more autonomy and freedom when using geospatial applications — Surveying, GIS and Construction.

