# SPECIFICATIONS

**SinoGNSS®**
By ComNav Technology Ltd.

## Performance

| | |
|---|---|
| CPU | 8-core processor 2.0GHz |
| Operating System | Android 11 |
| ROM | 64GB(128GB optional) |
| RAM | 4GB(6GB optional) |
| Extension | 1 Mirco SD card slot up to 128G |
| Rear Camera | 13M |
| Front Camera | 5M |
| Battery | 6600mAh built-in battery |

## Physical

| | |
|---|---|
| Size | 165.5 * 81.6 * 29.1mm |
| LCD | 6"HD screen, 2160*1080 resolution |
| Touch Screen | Capacitive muti-touch, 5 points |
| Flash Light | Y |
| Microphone | Y |
| Speaker | Front dual stereo 90dB±3dB(at 10cm) |
| Weight | 310g |
| Charging | Quick Charge |
| Keypad | 1*Power, 1*HOME, 1*Return, 1*Position |

## Communication

| | |
|---|---|
| WIFI | IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz |
| SIM Card | 2 Nano-SIM Card slots Dual SIM & Dual Standby |
| Network | FDD-LTE B1/B3/B5/B7/B8 TDD-LTE B38/B39/B40/B41 TDSCDMA B34/B39 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8 CDMA 1x/CDMA2000 BC0/BC1 |
| Bluetooth | BT 5.0 BLE |
| USB | Type C, support OTG |
| External Interface | USB, OTG |

## GNSS Specifications

| | | |
|---|---|---|
| Channels | 1590 | |
| Satellite Tracking | GPS: | L1C/A, L2P, L2C, L5, L1C |
| | BeiDou: | B1I, B2I, B3I, B1C, B2a, B2b |
| | GLONASS: | L1, L2, L3 |
| | Galileo: | E1, E5b, E5a, E6c E5 AltBOC |
| | QZSS: | L1C, L2, L5, L1C/A |
| | IRNSS: | L5 |
| | SBAS: | L1C/A |
| Single Baseline RTK | 8 mm +1 ppm Horizontal 15 mm + 1 ppm Vertical | |
| SBAS | 0.5m Horizontal 0.8m Vertical | |
| Standalone | 1.5m 3D RMS | |
| Post Processing | 2.5 mm +1 ppm Horizontal 5 mm + 1 ppm Vertical | |
| PPP( B2b & HAS ) | 20cm Horizontal | |

## Sensors

| | |
|---|---|
| G Sensor | Y |
| Magnetometer | Y |
| Light Sensing Sensors | Y |

## Environmental

| | |
|---|---|
| Work Temperature | -20°C ~55°C |
| Storage Temperature | -30°C ~70°C |
| Waterproof & Dustproof | IP67 |
| Drop Test | Survive from a 1.2m drop |
| Electrostatic Protection | ± 15kv air discharge, ± 8kv contact discharge |
| Humidity | 95% non-condensing |

## Software

SinoGNSS High-Precision configuration software

Compatible with common third-party GIS software, such as ArcGIS Collector, Mapit GIS, FieldGenius Android etc.

SinoGNSS Survey Master field software

# P6H
## HANDHELD

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Web: www.comnavtech.com    Email: sales@comnavtech.com
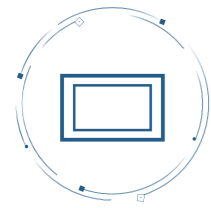Tel : +86 21 64056796    Fax: +86 21 54309582

# P6H HANDHELD

The P6H Handheld is an advanced, rugged device tailored for Geographic Information System (GIS). Equipped with SinoGNSS self-developed high precision K8 board and antenna, it tracks all running and planned constellations, including GPS, BDS, GLONASS, GALILEO, QZSS, IRNSS and SBAS. Its accuracy remains at centimeter or decimeter level. Its portability and durability make it reliable even in harsh conditions.
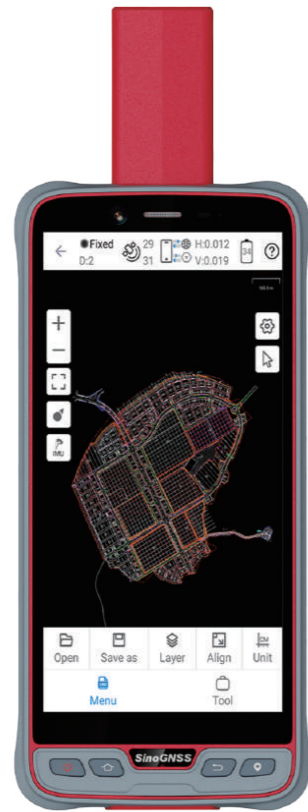
**6"Sunlight Readable Screen**

**Android™ 11**

**IP67 Dustproof and Waterproof**

**Integrated High Precision GNSS Module and Antenna**

**Integrated 4G LTE, WIFI and Bluetooth 5.0 BLE**

**Compatible with common GIS software**

## ACCURACY

**RTK**

Employing RTK technology can grant the P6H an accuracy of 8 millimeters in the horizontal dimension and 15 millimeters in the vertical dimension.
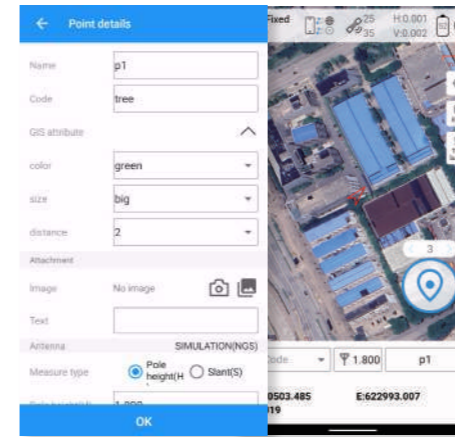
**PPP**

It supports PPP-HAS and PPP-B2b. In most of globe, it can access to positioning accuracy of 20cm without requiring any additional correction input or internet connectivity.

**SBAS**

It supports WAAS, EGNOS, MSAS, GAGAN, SDCM and BDSBAS. Its accuracy is up 0.5m horizontally and 0.8m vertically.durability make it reliable even in harsh conditions.

# SOFTWARE

## Survey Master

GIS function allow users to take measurements of geographic elements and store the results as attribute data for subsequent analysis, calculation, and visualization. It also includes a Mock Location function, allowing the sharing of Survey Master's accurate position with P6H. This enables third-party GIS software to access the same accurate position data. The function is suitable for users who prefer some third-party software rather than Survey Master, then can take it and their own software to conduct work.

Compatible with common third-party GIS software, such as

ArcGIS Collector        Mapit GIS        QField

# APPLICATION

**Urban Planning & Management**

**Natural Resource Management**

**Emergency Response & Disaster Management**

**Geography & Environmental Science Research**

**Agriculture & Food Security**

**Navigation & Location-based Services**