

P3 Handheld Controller

Your reliable partner in surveying and mapping.

A durable and practical tool for surveying and mapping. With IP68 industrial-grade waterproofing, dustproofing, and shockproofing. Its 5.5-inch FHD display, 800 Nits screen brightness, and 9000mAh battery provide clear visuals and up to 20 hours of continuous operation. Experience the power to conquer any terrain with precision and efficiency.



GINTEC

KEY FEATURES

- 5.5 Inch**
High-Brightness Display
- 1080*1920**
Resolution
- 8 Cores**
Processors
- 4+64G**
RAM+ROM
- 800 Nits**
Sunlight-readable with enhanced visual experience
- Corning Gen3**
Excellent strength and durability
- 9000mAh**
High-Capacity Battery

SPECIFICATIONS

Positioning

| | |
|---------------------------|------------------------------|
| Channels | 1408 |
| GPS | L1C/A, L1C, L2P(Y), L2C, L5 |
| GLONASS | G1, G2, G3 |
| BDS | B1I, B2I, B3I, B1C, B2a, B2b |
| GALILEO | E1, E5a, E5b, E6 |
| QZSS | L1, L2C, L5, L6 |
| NAVIC (IRNSS) | L5 |
| SBAS | L1C/A |
| PPP | B2B-PPP E6-HAS |
| Data Update Frequency | 50Hz |
| Positioning Frequency | 1Hz 2Hz 5Hz 10Hz 20Hz 50Hz |
| Cold Start Time | <12s |
| Initialization Time | <5s |
| Initialization Confidence | >99.9% |

Measurement Accuracy

| | |
|--------------------------------|--------------------------------------|
| Static Mode Accuracy | H: ±2.5mm+0.5ppm V: ±5.0mm+0.5ppm |
| Single Point Solution Accuracy | H: 1.5m V: 2.5m |
| Differential Solution Accuracy | H: 0.4m V: 0.8m |
| RTK Accuracy | H: ±8.0mm+1ppm V: ±15.0mm+1ppm |
| Time Accuracy | 20ns |
| Tilt Measurement Accuracy | ≤2.5cm within 120° |

Power

| | |
|--------------|--|
| Battery Life | Static 44h, Rover 40h, Base8h |
| Power Supply | Built-in Li-ion 12V/2A, Max24W 7.2V_13600mAh |

Physical

| | |
|------------|---|
| Material | Magnesium alloy main body, ABS/PC top cover |
| Dimensions | Φ155.6mm*93mm |
| Weight | 1400g |

Operation

| | |
|-----------|--|
| Button | Power Button |
| Indicator | Satellite Signal Light, Data Transmission Light, Current Battery Light |

Camera

| | |
|--------------------------|---------------|
| 2 Mega CMOS image sensor | |
| Optical Format | 1/5 inch |
| Pixel Size | 1.75um*1.75um |
| Active Pixel Array | 1616*1232 |

System

| | |
|------------------------|---|
| Operating System | Linux |
| Memory | 32GB Internal Storage |
| 5-pin | External radio and external power, RS232 |
| Internal UHF | Power: 3/5W Maximum Range: 15KM+ |
| Data Transmission | 4G/Bluetooth/WIFI/Radio |
| Bluetooth | V5.0, BLE |
| WIFI | 802.11a/b/g/n |
| Radio Power | 5W |
| Radio Frequency | 410-470MHz |
| Radio Channel Quantity | Up to 99 channels |
| Air Baud Rate | 19200, 9600, 4800 |
| 4G Network | LTE FDD: B1/B2/B3/B4/B5/B7/B8/ B12/B13/B19/B20/B25/ B26/B28 LTE TDD: B38/B39/B40/B41 UMTS: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8 |
| Supported Protocols | Gintec Work, TrimTalk450s(T), TrimMark III, SOUTH, PCC-EOT, Hi-target, Satel, Farlink, etc. |
| Supported Languages | Chinese, English, Polish, Turkish, Korean, Indonesian, Spanish, Telugu, Russian, etc. |

Environment

| | |
|-----------------------|--|
| Operating Temperature | -30°C~+65°C |
| Storage Temperature | -40°C~+80°C |
| Waterproof Dustproof | IP68 |
| Shock and Vibration | Withstanding 2m pole drop onto the cement ground |
| Humidity | 99.9% |

GINTEC
TAKE POSITION ASSURED

G40 Plus 5W Internal Radio GNSS Receiver



GINTEC®

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G40 Plus

5W Internal Radio

GNSS Receiver

Equipped with 5W high power internal radio, radio signal covers up to 20km.
13600mAh large capacity built-in battery, the operation duration is up to 8-10 hours(Base mode, 5W power)
40-44hours(Rover mode, radio)



20KM+

Stable Transmission

Strong Signal

GintecWork Protocol

13600mAh

large capacity built-in battery

Base Station

8-10 hours in base station mode,5W

Large Capacity

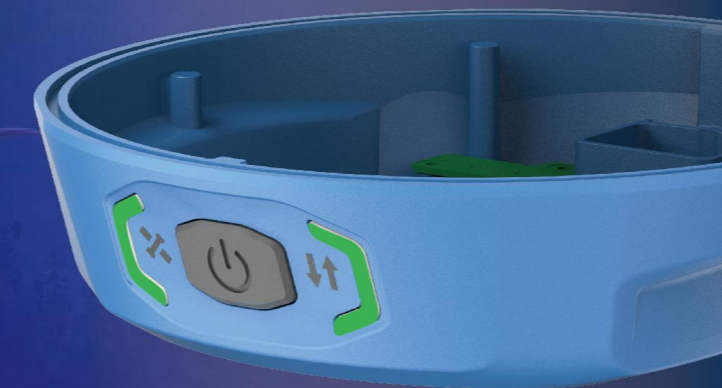
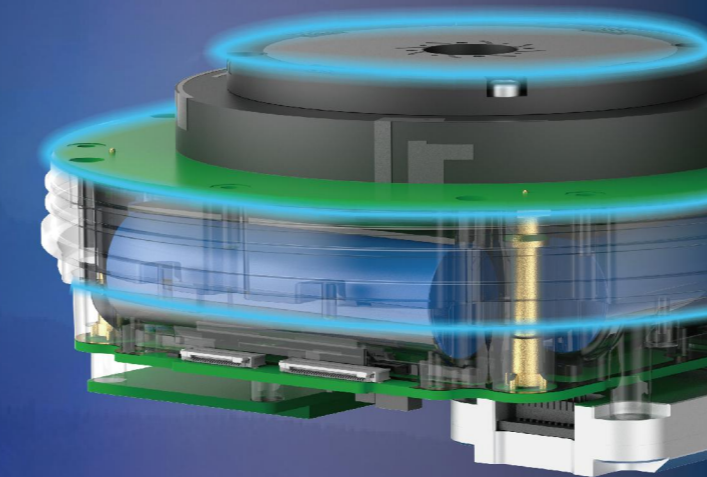
Super 13600mAh large battery

Long Working Hours

40-44 hours in rover station

Durable Usage

Outstanding performance, long lifespan



Key Features



Super Base

- Equipped with 5W high power internal radio, radio signal covers up to 20km.

High-Capacity Built-in Battery, Longer Duration

- 13600mAh large capacity built-in battery, the operation duration is up to 8-10 hours(Base mode, 5W power)



New-Generation SoC

- Powerful GNSS SoC chip with 1408 channels
- Supporting the new Beidou B3I, Galileo E6 tracking
- G-FIX supported

G-FIX Correction Outage Technology

- Extending RTK positioning up to 10mins
- Reducing downtime waiting to re-establish RTK corrections



Calibration-Free Tilt Compensation

- Calibration and initialization FREE
- Ready for tilt survey straight out of the box

New Antenna Combination

- Highly integrated GNSS,4G, WIFI, and Bluetooth antennas
- Powerful Performance. Smaller Size



Augmented Reality (AR)

- Overlaying digital information onto the real world
- Assisting to view the stakeout location and see designed features in real time

Anti-Interference Technology

- Advanced multi-frequency interference suppression and multi-step adaptive filtering technology
- Strong and stable signals in challenging conditions



Professional Camera

- High-resolution night vision camera
- Broad perspective, sophisticated algorithms guaranteeing the precision up to 1cm
- Seamlessly combining 360-degree AR visual stakeout and image AR visual stakeout

