

P3 Handheld Controller

Your reliable partner in surveying and mapping.

A durable and practical tool for surveying and mapping. With IP67 industrial-grade waterproofing, dustproofing, and shockproofing. Its 5.5-inch FHD display, 800 Nits screen brightness, and 9000mAh battery provide clear visuals and over 18 hours of continuous operation. Experience the power to conquer any terrain with precision and efficiency.



GINTEC

KEY FEATURES

5.5 Inch
High-Brightness Display

800 Nits
Sunlight-readable with enhanced visual experience

1080*1920
Resolution

Corning 3th Generation
Excellent strength and durability

8 Cores
Processors

9000mAh
High-Capacity Battery

4+64G
RAM+ROM

SPECIFICATIONS

POSITIONING

Channels	1408
GPS	L1C/A, L1C, L2P(Y), L2C, L5
GLONASS	G1, G2, G3
BEIDOU	B1I, B2I, B3I, B1C, B2a, B2b
GALILEO	E1, E5a, E5b, E6
QZSS	L1, L2C, L5, L6*
NavIC	L5*
SBAS	L1C/A
BeiDou PPP	Supported
Galileo Has	Supported
Cold Start	<12s
Initialization Time	<5s
Initialization Reliability	>99.9%

ACCURACY

Static Accuracy	H:±2.5mm+0.5ppm V:±5.0mm+0.5ppm
RTK Accuracy	H:±8.0mm+1ppm V:±15.0mm+1ppm
Time Accuracy	20ns
Data Update Rate	50Hz(Data)

POWER

Battery	Internal Li-on, 13600mAh, 7.2V
Input	12V/2A, Max24W

PHYSICAL

Material	Magnesium alloy main body, ABS/PC top cover
Dimensions	155.6mm*155.6mm*93mm
Weight	1400g

CAMERA

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

SYSTEM

Operation System	Linux
Memory	32GB Internal Storage
Bluetooth	V5.0, BLE
WIFI	802.11a/b/g/n
5-pin	External radio and external power, RS232
Type-C	Charge and access internal storage
SIM Card	Micro SIM card
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
Internal UHF	Power: 3/5W Maximum Range: 15KM+ Frequency: 410~470MHz Protocol: GintecWork TrimTalk450s(T), TrimMark III, SOUTH, PCC-EOT, Hi-target, Satel
Tilt Survey	IMU Tilt Survey
Software Support	CreateYours
Support for Multiple Languages	Chinese, English, Spanish, etc, and expandable.

OPERATION

Button	Power Button
Indicator	Satellite, Datalink, Power

ENVIRONMENT

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

Note: Items marked with * are only supported by specific firmware or hardware

GINTEC
TAKE POSITION ASSURED

G40 Plus 5W Internal Radio GNSS Receiver



GINTEC

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ADD: Room401-403, Building A02, No. 83, Kaiyuan Avenue, Huangpu District, Guangzhou, Guangdong, China

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

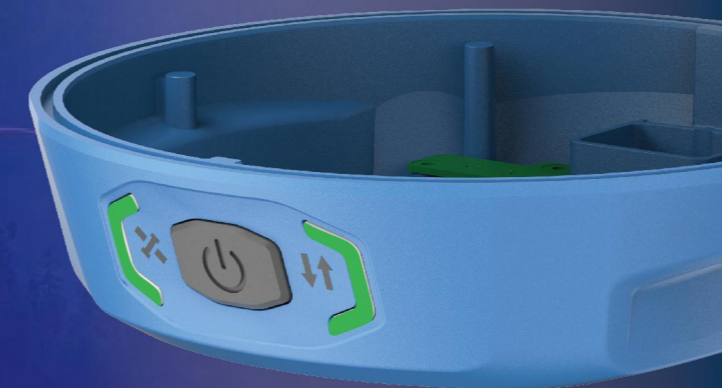
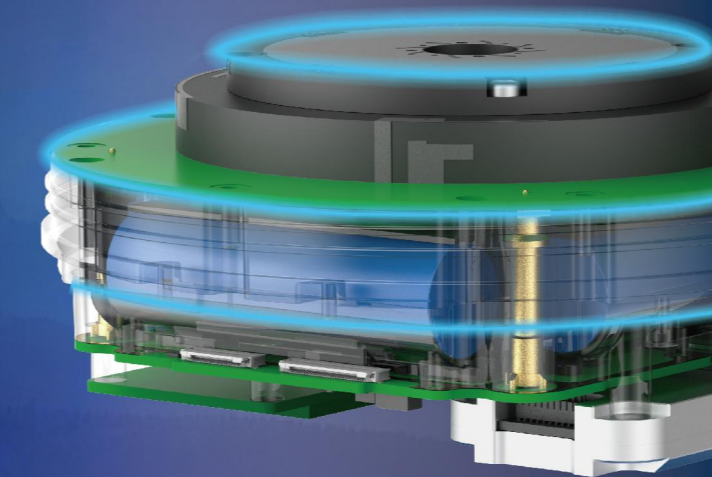
Super 13600mAh large battery

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 20 km(typical).

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

