

# 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	B11, B21, B31, 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(RTK+Raw Data)

### POWER

Battery	Internal Li-ion, 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

### OPERATION

Button	Power Button
Indicator	Satellite, Datalink, Power

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

### SYSTEM

Operation System	Linux
Memory	32GB Internal Storage
Bluetooth	V5.0, BLE
WIFI	802.11a/b/g/n

### 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

Software Support	IMU Tilt Survey
	New Surpad

### Support for Multiple Languages

	Chinese, English, Spanish, etc, and expandable.
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### CAMERA

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

### ENVIRONMENT

Operation Temperature	-30°C~+65°C
Stock Temperature	-40°C~+80°C
Waterproof	IP68
Dustproof	
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**

Autorizovaný predajca v Slovenskej republike  
QMARK s.r.o.  
Strojnícka 8  
821 08 Bratislava



# 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).



### New-Generation SoC

- Powerful GNSS SoC chip with 1408 channels
- Supporting the new Beidou B31, Galileo E6 tracking
- G-FIX supported



### Calibration-Free Tilt Compensation

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



### Augmented Reality (AR)

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



### 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



### 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)



### G-FIX Correction Outage Technology

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



### New Antenna Combination

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



### Anti-Interference Technology

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