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.



78 88 98 shift

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KEY FEATURES

5.5 Inch
High-Brightness
Display

1080*1920

8 Cores

● 4+64G RAM+ROM



Sunlight-readable with enhanced visual experience



Excellent strength and durability

9000mAh
High-Capacity Battery



→ 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
Galieo 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

Time Accuracy 20ns

Data Update Rate 50Hz/RTK+Raw Data)

♦ POWER

Battery	Internal Li-on, 13600mAh, 7.2
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

⇒ SYSTEM

Operation System	Linux
Memory	32GB Internal Storage
Bluetooth	V5.0, BLE
WIFI	802.11a/b/g/n
4G Network	LTE FDD: 81/82/B3/84/B5/B7/R8/B12/ 813/B19/B20/B25/B26/B28 LTE TDD: B38/B39/B40/B41 UMTS: 81/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	New Surpad
Support for Multiple Languages	Chinese, English, Spanish, etc,and expandable.

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 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



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





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)





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Stable **Transmission**

> **Strong Signal**

GintecWork Protocol





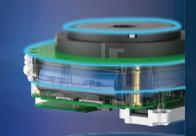
Super 13600mAh large battery

Long Working Hours

40-44 hours in rover station

Durable Usage

Outstanding performance, long lifespan





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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

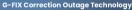
13600mAh large capacity built-in battery, the operation duration is up to 8-10 hours(Base mode, 5W power)





New-Generation SoC

- Powerful GNSS SoC chip with 1408 channels
- Supporting the new Beidou B3I, Galieo E6 tracking



- . 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

- Broad perspective, sophisticated algorithms guaranteeing the
- Seamlessly combining 360-degree AR visual stakeout and image AR visual stakeout



