

GINTEC G30

KEYFEATURES

- ◆ Mk-803 SoC board
- ◆ 1598 channels
- ◆ 5 Satellites + 16 Frequencies
- ◆ Internal radio working range 6KM
- ◆ WiFi, Bluetooth 4.0
- ◆ Type-C USB Fast Charge
- ◆ 6,800MAh Internal Battery(15hours)
- ◆ IMU Tilt Survey
- ◆ Small and Light Design only 888g
- ◆ IP68 Standard

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SPECIFICATIONS

POSITIONING

Board Model	Mk-803
Channels	1598
GPS	L1 C/A, L2C, L2P, L5
GLONASS	L1 C/A, L1P, L2C/A, L2P
BEIDOU	B1/B1C, B2/B2a, B2b, B3
GALILEO	E1, E5A, E5B, E6, E5 AltBOC
SBAS	WAAS, EGNOS, MSAS, GAGAN, SDCM
QZSS	L1, L2C, L5
L-band	Optional
Cold Start	<30s
Signal Recapture	<1 s

ACCURACY

Static Accuracy	H: $\pm 2.5\text{mm} + 1\text{ppm}$ V: $\pm 5\text{mm} + 1\text{ppm}$
RTK Accuracy	H: $\pm 8\text{mm} \pm 1\text{ppm}$ V: $\pm 15\text{mm} \pm 1\text{ppm}$
Tilt Angle	0~60°
IMU Accuracy	10mm + 0.7mm/° tilt (1.8m Pole)
Update Frequency	5Hz (up to 20HZ raw data collection)

POWER

Battery	Internal Li-on Battery 7.2V, 6,800mAh
Duration	Rover Mode >15h
Input	6-28 V DC, Overvoltage protection

PHYSICAL

Material	Magnesium aluminum alloy shell
Dimension	135mm (Diameter) * 84mm (Height)
Weight	888g

OPERATION

Button	1
LED Indicator	Bluetooth, Data Link, Satellite, Power
VOICE Prompt	Support for multiple languages: Chinese, English, Russian, Portuguese, Spanish, Turkish France and user define
Web UI	Support to access Web UI via WIFI and USB

SYSTEM

Operation System	Linux
Memory	4GB Internal Storage
Bluetooth	Bluetooth 3.0/4.1, Bluetooth 2.1+EDR standard
NFC	Support
WIFI	802.11b/g standard
WIFI Data Link	To work as the datalink that receiver is able to broadcast and receive differential data via WIFI
Mobile Network	LET FDD: B1/B3/B5/B7/B8/B20 LET TDD: B38/B40/B41 WCDMA: B1/B5/B8
Internal UHF	Power: 1W Frequency: 410-470MHz Work Distance > 6KM
Protocol	SOUTH, Farlink, Trim Talk, Hi-target, CHC, Satel
Data Transmission	USB data transmission and FTP/HTTP data download
Data Format	RTCM3.X, RTCM2.X, CMR, sCMRx, DGPS, RTCA, NOVATELX GPS output data format: NMEA0183, PJK plan coordinates, Binary code Network model support: VRS, FKP MAC, fully support NTRIP protocol
Tilt Survey	IMU Tilt Survey Compatible with SurPad and Creat Yours

INTERFACE

TNC	UHF Antenna
Type-C	Charge and Data Transmission
7pin	NMEA Out Put
Other	Micro SIM Slot

ENVIRONMENT

Work Temperature	-25 °C ~ +65 °C
Stock Temperature	-35 °C ~ +80 °C
Waterproof/Dustproof	IP68 Standard
Shock and Vibration	Withstand 2.0m pole drop
Humidity	100%



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