

SATELLITE PERFORMANCE

Channels	1,808
GPS	L1C/A, L2C, L2P(Y), L5
GLONASS	L1, L2
BEIDOU	B1i, B2i, B3i, B1C, B2a, B2b
GALILEO	E1, E5a, E5b, E6
QZSS	L1, L2, L5, L6
SBAS	L1, L5
L-Band	B2b PPP
Positioning Rate	1-20Hz

IMU MEASUREMENT

Tilt Accuracy (No tilt angle limit)	2cm within 60°
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DATA STORAGE

Type & Storage	SSD 8GB External USB Pen drive
Data Transfer	Type-C USB Transfer Supports FTP/HTTP download
Differential Format	RTCM 2.1, RTCM 2.2, RTCM 3.0, RTCM 3.1, RTCM 3.2, NMEA 0183, CMR, CMR+
Static Data Format	DAT, RINEX 2.x, RINEX 3.x, BINEX
GPS Output Format	VRS, FKP, MAC
Network Model	Ntrip fully supportable

COMMUNICATION

I/O	Type-C (OTG+Fast Charge+Ethernet)
Antenna Port	All-in-one port for radio/GPRS antenna
Network Modem	Nano-SIM card LTE FDD, LTE TDD, UMTS, GSM
UHF Radio	2W Tx/Rx 410-470MHz
Protocol	RightLink, TrimTalk, Hi-target, SOUTH, CHC
WiFi	IEEE 802.11 a/b/g/n/ac Hotspot/Data Link
Bluetooth	Bluetooth 2.1 + EDR and 4.0
NFC	Available

INTERFACES

Button	1
LED Indicator	Data Link, Satellite, Bluetooth, Power

POWER SUPPLY

Battery	Internal Li-on Battery 7.2V, 6,800mAh
Operating Time	Static mode 36h Rover mode 28h

PHYSICAL

Dimension	74mm(H), 128mm (W)
Weight	740g
Operating Temp.	-30°C to 65°C
Storage Temp.	-40°C to 80°C
Proof	IP68 water and dust proof 2m drop on hard surface 40G 10ms sawtooth wave

ACCURACY

Code Differential	H: 0.40m (RMS) V: 0.80m (RMS)
Static	H: 2.5mm±0.5ppm (RMS) V: 5mm±0.5ppm (RMS)
Real-time Kinematic	H: 8mm±1ppm (RMS) V: 15mm±1ppm (RMS)
Network PPK	H: 8mm±0.5ppm (RMS) V: 15mm±0.5ppm (RMS)

CAMERA

Optical Format	1/5"
Pixel Size	1.75*1.75µm
Active Pixel Array	1616*1232
Sensor	2 mega CMOS imaging sensors

