

RECEIVER SPECIFICATION

Channels	440
GPS Tracking	L1C/A, L1C, L2C, L2E, L5
GLONASS Tracking	L1C/A, L1P, L2C/A, L2P, L3
BeiDou Tracking	B1, B2, B3
Galileo Tracking	GIOVE-A, GIOVE-B, E1, E5A, E5B
SBAS	E5B
Positoning Rate	L1C/A, L5 1-50Hz

GSM/GPRS Module	WCDMA, CDMA2000, TD-LTE, FDD-LTE, GPRS, EDGE
WiFi	802.11b/g/n Hotspot Data Link
Bluetooth NFC	Bluetooth 2.1 +EDR and 4.0 <10m

RECEIVER ACCURACY

Code Differential	Horizontal 0.25m± 1ppm (rms) Vertical 0.50m± 1ppm (rms)
Static	Horizontal 2.5mm± 0.5ppm (rms) Vertical 5mm± 0.5ppm (rms)
Real-Time Kinematic	Horizontal 8mm± 1ppm (rms) Vertical 15mm± 1ppm (rms)
Network RTK	Horizontal 8mm± 0.5ppm (rms) Vertical 15mm± 0.5ppm (rms)

DATA STORAGE

Type & Storage	SSD 8GB External USB pen drive
Date Transfer	USB transfer Supports FTP/HTTP download
Format (Differential)	CMR+, sCRMx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2
GPS Output Format	NMEA 0183, PJK plane coord., binary code, Trimble GSOFF
Network Model	VRS, FKP, MAC NTRIP fully supportable

INTERFACES

Button	Two
LED Indicator	Bluetooth, Data Link, Satellite, WiFi , Power

POWER SUPPLY

Supply Type	Dual batt., hot-swapping
Voltage	9-25V DC; Overvoltage protection
Battery	Removable Li-on 7.4V, 3400mAh
Operating Time	Static mode 13h Rover mode 10h

COMMUNICATION

I/O	5pin LEMO external power + RS232 7pin LEMO USB (OTG) + Ethernet Radio antenna interface SIM card slot
UHF Radio Module	1/2/3W switchable 410-470MHZ
Protocol	TrimTalk 450s, TrimMark3, PCC EOT, SOUTH

PHYSICAL

Dimension	83mm (H), 175mm (W)
Weight with batt.	1330g
Operating Temp.	-45° C to 60° C
Protection Class	IP67
Shock	2m drop on hard surface
Vibration	40G 10ms sawtooth wave