



NIKOLE UZUNOVIĆA 104, NIŠ

www.geo-oprema.rs

065/ 9 649 178

ROVA



Tri-freq Algorithm

Picking 3 optimal Beidou signals for speedy calculation.

5 constellations

GPS, GLONASS, BEIDOU, GALILEO, QZSS

“Fixed!”

fast and easily

1598

channels



System-on-Chip technology

40 nanometer process

16

frequencies

Industry-leading small power consumption

ROVA 1 je idealan GNSS rover, sa novom Mk-803 SoC matičnom pločom, savršenim dizajnom, neverovatnom brzinom za fiksno rešenje, velikom tačnošću u teškim uslovima, dugotrajnim radom i pouzdanim IMU nagibnim senzorom.

POZICIONIRANJE

Model ploče	Mk-803
Broj kanala	1,598
GPS	L1 C/A, L2C, L2P, L5
GLONASS	L1 C/A, L1P, L2C/A, L2P
BEIDOU GALILEO	B1, B2, B3
QZSS	E1, E5A, E5B, E6, E5 AltBOC
L-band	L1, L2C
Positioning Rate	Rezervisano za ažuriranje 1-20Hz

TAČNOST

Code	H: 0.25m ± 1ppm (rms)
Differential	V: 0.50m ± 1ppm (rms)
Statika	H: 2.5mm ± 0.5ppm (rms) V: 5mm ± 0.5ppm (rms)
Real-time Kinematic	H: 8mm ± 1ppm (rms) V: 15mm ± 1ppm (rms)
Network RTK	H: 8mm ± 0.5ppm (rms) V: 15mm ± 0.5ppm (rms)

IMU MERENJA

Tačnost pod nagib	Maximum 60° 10mm + 0.7mm/°
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**SKLADIŠTE
PODATAKA**

Tip	SSD 4GB Eksterni USB Pen drive
Tranfer podataka	USB Transfer Podržava FTP/HTTP download
GPS Output Format	CMR+, sCRMx, RTCM 2.x, RTCM 3.x, NMEA 0183, PJK plane coordinates, binary code VRS, FKP, MAC
Network Model	Ntrip fully supportable

POVEZIVANJE I/O

	5pin LEMO external power + RS232 Type-C (OTG+Fast Charge+Ethernet) Radio antenna TNC interface
UHF Radio Modul	X-link 2W 410-470MHz
Protokol	TrimTalk 450s, TrimMark 3, PCC, EOT, SOUTH Farlink
Cellular	Through controller's network
WiFi	802.11b/g/n Hotspot/Data Link
Bluetooth	Bluetooth 2.1 + EDR and 4.0
NFC	<10cm

INTERFEJS

Dugme	1
LED Indikator	Internet, Sateliti, Punjenje

NAPAJANJE

Baterija	Interna Li-on Baterija 7.4V, 6,800mAh
Operativno vreme	Rover Mod 15h

IZGLED

Dimenzije	80mm(H), 130mm (W)
Težina	790g
Operativna Temp.	-45-75°C
Zaštita	IP68 2m pad na tvrdu površinu

ROVER

Prijemnik
Kutija
Punjač
Radio kabal
Antena
Šipka 30cm
Merna ploča
Konektor

BAZA

Prijemnik
Kutija
Punjač
Radio kabal
Antena
Šipka 30cm
Merna ploča
Konektor

**Android
Kontroler
H6**

Android 8.1
5" HD ekran
6GB RAM/64GB ROM
Full tastatura
IP67



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