

EMLID

REACH RS2

Fisa cu date



Funcții Cheie

- Urmărește GPS/QZSS L1C/A, L2C GLONASS L1OF, L2OF BeiDou B1I, B2I Galileo E1-B/C, E5b
- Conectare RTK rapidă
- Antena multi-feed cu eliminare multipath
- Modem radio LoRa 868/915 MHz cu rază până la 8 km
- Modem 3.5G încorporat- accepta toți operatorii de telefonie
- Acumulator integrat cu autonomie de 22 ore
- Compatibilitate RTK NTRIP și VRS, protocol RTCM 3
- Înregistrează RINEX cu până la 20 Hz (20 actualizări pe secundă)
- Memorie internă 16 GB
- IP67, rezistent la apă și la praf



REACH RS2

Specificatii tehnice

POZITIONARE

| | | |
|--------------------|---|-------------------------------|
| Precizie | Static | H: 4 mm+0.5 ppm V: 8mm+1 ppm |
| | PPK | H: 5 mm+0.5 ppm V: 10mm+1 ppm |
| | RTK | H: 7 mm+1 ppm V: 14mm+1 ppm |
| Convergence time | ~5 s typically | |
| Signal tracked | GPS/QZSS L1C/A, L2C, GLONASS L1OF, L2OF, BeiDou B1I, B2I, Galileo E1-B/C, E5b | |
| Number of channels | 184 | |
| Update rates | 20Hz GPS / 5Hz GNSS | |
| IMU | 9DOF | |

CONECTIVITATE

| | | |
|------------------|---|-----------------------------------|
| UHF LoRa radio | Frequency range | 868/915 MHz |
| | Power | 0.1W |
| | Distance | Up to 8 km |
| 3.5G modem | Regions | Global |
| | Bands | Quad-band, 850/1900, 900/1800 MHz |
| | SIM card | Nano-SIM |
| Wi-Fi | 802.11 b/g/n | |
| Bluetooth | 4.0/2.1 EDR | |
| Ports | RS-232, USB Type-C | |
| Data Protocols | NTRIP, VRS, RTCM3, position output in NMEA, LLH/XYZ | |
| Data logging | RINEX at update rate up to 20Hz | |
| Internal storage | 16 GB | |

CARACTERISTICI FIZICE

| | |
|--------------------|---------------------------|
| Dimensions | 126x126x142 mm |
| Weight | 950 g |
| Temperature | -20...+65 °C |
| Ingress protection | IP67 water- and dustproof |

CARACTERISTICI ELECTRICE

| | |
|----------------------|--|
| Autonomy | 16 hrs as 3.5G RTK rover, 22 hrs logging |
| Battery | LiFePO4 6400 mAh, 6.4 V |
| External power input | 6-40V |
| Charging | USB-C 5V 2A |

COMUNICATII SI STOCARE

- 9PIN port: RS-232, PPS, Event
- USB OTG
- Internal Radio Modem:
 - LoRa technology
 - Reliable link on up to 8 km baseline
 - Transmit power up to 100mW
 - Configurable 862-1020MHz carrier
- Internal 3.5G modem
 - Global
 - Quad-band, 850/1900, 900/1800MHz
- Built-in short-range Wi-Fi 802.11 b/g/n, WEP, WPA, WPA2 encryption
- Built-in short-range Bluetooth 4.0/2.1 EDR
- Data storage 16GB internal memory
- Raw logs in RINEX, UBX
- External Radio Modem connectivity over RS-232/USB OTG
- RTCM 3.x input and output over Wi-Fi, Bluetooth, LoRa, USB, RS-232, NTRIP
- NMEA 0183, ERB output over Wi-Fi, Bluetooth, USB, RS-232
- ReachView app for iOS and Android for configuration and surveying



DISTRIBUITORUL DVS. LOCAL

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