Key features

- Tracks GPS/QZSS L1C/A, L2C GLONASS L1OF, L2OF BeiDou B1I, B2I Galileo E1-B/C, E5b
- Fast RTK convergence
- Multi-feed antenna with multipath rejection
- 868/915 MHz LoRa modem for up to 8 km connectivity
- Global 3.5G modem
- 22 hours on 1 charge
- NTRIP and VRS support, works with RTCM3
- Logs RINEX at update rate up to 10 Hz
- 16 GB of internal storage
- IP67, water- and dustproof
COMMUNICATIONS AND DATA STORAGE

- 9PIN port: RS-232, PPS, Event
- USB OTG
- Internal Radio Modem:
  - LoRa technology
  - Reliable link on up to 8km baseline
  - Transmit power up to 100mW
  - Configurable 862–1020MHz carrier
- Internal 3.5G modem
  - Global
  - Quad-band, 850/1900, 900/1800 MHz
- 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

YOUR LOCAL DEALER

Technical specifications

POSITIONING

<table>
<thead>
<tr>
<th>Precision</th>
<th>Static</th>
<th>H: 4 mm+0.5 ppm V: 8mm+1 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPK</td>
<td>H: 5 mm+0.5 ppm V: 10mm+1 ppm</td>
<td></td>
</tr>
<tr>
<td>RTK</td>
<td>H: 7 mm+1 ppm V: 14mm+1 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Convergence time ~5s 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 10Hz GPS / 5Hz GNSS

IMU 9DOF

CONNECTIVITY

UHF LoRa radio
- Frequency range 868/915 MHz
- Power 0.1 W
- Distance Up to 8km

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 10Hz

Internal storage 16GB

MECHANICAL

Dimensions 126x126x142 mm

Weight 950 g

Temperature -20...+65 °C

Ingress protection IP67 water- and dustproof

ELECTRICAL

Autonomy 16 hrs as 3.5G RTK rover, 22hrs logging

Battery LiFePO4 6400 mAh, 6.4 V

External power input 6–40V

Charging USB-C 5V 2A