



574 channels

- GPS: L1 C/A, L2C, L2P, L5
- BeiDou: B1, B2, B3
- GLONASS: L1 C/A, L1P, L2 C/A, L2P
- Galileo: E1, E5a, E5b
- SBAS: WASS, EGNOS, MSAS, GAGAN



Hot-swap batteries

Separate use of batteries will extend the operating time by replacing the batteries



Free field software

Use Web interface or field software via NMEA messages to control the receiver



PERFORMANCE

- Cold start: <50 s
- Warm start: <45 s
- Hot start: <15 s
- RTK Initialization time: <10 s
- Signal reacquisition: <2 s
- Initialization reliability: >99.9%
- Velocity accuracy: 0.03 m/s
- Acceleration: 4 g
- Overload: 15 g
- Time accuracy: 20 ns

POSITIONING

RTK

Horizontal: 8 mm + 1 ppm
Vertical: 15 mm + 1 ppm

DGPS

< 0.4 m 3D RMS

Standalone

< 1.5m 3D RMS

SBAS

< 1 m 3D RMS

Post Processing

Horizontal: 2.5 mm + 1 ppm
Vertical: 5 mm + 1 ppm

COMMUNICATIONS

- 1 Lemo7 (f):
- 1 RS232 baud rates up to 460800 bps
- 1 USB
- 1 external power
- 1 Pulse Per Second (PPS) output
- Built-in UHF modem*
- 410-470 MHz
- 2W
- TRIMTALK, TRANSEOT, TRIMMK3
- UHF antenna TNC (f)
- Build-in 2SIM GSM modem
- 2G/3G: 900/2100 MHz
- Bluetooth
- Wi-Fi 802.11 (APN, client)
- Panoramic indication show the working status

DATA FORMAT

- Correction data I/O: RTCM 2.X, 3.X, CMR (GPS only), CMR+ (GPS only)
- Position data output:
 - NMEA-0183
 - ComNav protocols
 - Data output rate: 1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz*

PHYSICAL

- Size (D × H): 174 mm × 112 mm
- Weight: 1250 g
- Antenna connector: TNC

ENVIRONMENTAL

- Working temperature: -40°C to +70°C
- Storage temperature: -40°C to +85°C
- Humidity: up to 100% (condensation)
- Waterproof and dustproof: IP67, protected from temporary immersion to depth of 1 m
- Shock: designed to survive a 2 m drop onto concrete

ELECTRICAL

- Input voltage: +12.0 V ~ +17.0 VDC
- Power consumption: up to 33 W
- Battery: 3400 mAh (2pcs)
- Memory 8 GB (32 GB*)

* - optional