



Signal Tracking GPS: L1, L2, L5

GLONASS: L1, L2 BDS: B1, B2, B3 Galileo: E1, E5A, E5B QZSS: L1, L2, L5 SBAS: L1

IRNSS:L5

No. of Channels +008

MEASUREMENT PERFORMANCE

Initializing Time Less than 10 Seconds

Hz 8mm + 1ppm / V 15mm + 1ppm RMS Real-time Kinematic Hz 2.5mm + 0.5ppm / V 5mm + 0.5ppm RMS Hz 0.25m + 1ppm / V 0.5m + 1ppm RMS Static and Fast Static **DGPS**

Initialization Reliability 99.9% Static Data Format **GNS** and Rinex

Hi-Fix1

Horizontal RTK + 10 mm/minute RMS RTK + 20 mm/minute RMS Vertical

Tilt Survey Electronic Bubble / tilt survey 2.0 Tilt Survey Performance 5cm accuracy in the inclination of 30°

COMMUNICATIONS

USB, TNC antenna port and Nano SIM card slot 4G LTE Communication Ports

> Bluetooth 4.0, Wi-Fi and NFC DC External power input LED indicator panels

Internal UHF Transceiver Frequency: 403-473MHz

> Channel: 116 (16 configurable) Transmitting power: 1W/2W/4W

Protocols: HI-TARGET, TRIMTALK450S, TRIMMARK III,

TRANSEOT, SATEL-3AS, etc..

Working range: 5-6km typical, 6-7km optimal

SYSTEM

3 Seconds Start-up Time

16GB internal storage Data Storage

Electronic bubble and tilt survey Sensor

DATA MANAGEMENT

your local sales representative for more information

Positioning Output Frequency 1Hz - 20Hz

Message Type CMR, RTCM2.X, RTCM3.0, RTCM3.2 Network Mode VRS, supports NTRIP protocol ASCII: NMEA-0183, binary data **Output Format**

OTG, NFC, WebUI, USB firmware upgrade, network repeater station Application Function

Intelligent voice, self-test function, smart battery, battery quick change

Message delivery and remote upgrade

GENERAL

Environmental IP67 environmental protection

Humidity 100% condensing

Shock resistant body to 2m (6.5ft) pole drop

Temperature -40° to 75°C Operating-55° to 85°C Storage

Physical Properties OLED Screen: 1.54in

Resolution: 128 x 64 Size: 137mm x 131mm

Weight: 1.35kg including battery Power: 6 - 28V DC Input Battery: 6800 mAh Li-Ion Battery

Operation Time: 10 hours (Network/Cellular - RTK Rover)

OAccuracies are dependent on GNSS satellite availability. Hi-Fix positioning ends after 5 minutes of radio downtime. Hi-Fix is not available in all regions, check with