Nano 2 GIS Receiver

Professional Grade Positiong

Signal Tracking

Receiver Type: Multi-Frequency GPS, GLONASS, BeiDou, Galileo, QZSS, IRNSS and SBAS

Signals Received: GPS - L1CA/L1C/L1P/L2P/L2C/L5
GLONASS - G1/G2/G3
BeiDou - B1i/B2i/B3i/B1C/B2A/B2B
GALILEO - E1/E5A/E5B/E6C/ALTBOC
QZSS - L1CA/L2C/L5/L1C
IRNSS - L5
SBAS - L1C/A

Data Update Rate: Selectable from 1, 2, 5, and 10 Hz

Performance Specifications

Signal Reaquistion: ≤ 1 s

Cold Start: ≤ 45 s

Hot Start: ≤ 15 s

RTK Initilization Time: <10 s

Initilization Reliability: ≥ 99 %

Accuracy

Single Baseline RTK: 8 mm + 1 ppm Horizontal
15 mm + 1 ppm Vertical

Static and Fast Static: 2.5 mm + 0.5 ppm Horizontal
5 mm + 0.5 ppm Vertical

Standalone: **30 cm Horizontal**
60 cm Vertical

Electrical Specification

Voltage: 5/9 V

Charging Time: <5 h

Working Time ≥ 20 Hours

Interface

Serial Port: Supports Serial Communication

USB: Type C

Range Pole Interface: Standard 5/8" UNC Female Thread

UHF Port: TNC

Communication

Bluetooth 5.0: Dual-Mode BT

UHF Frequency: 410 - 470 Mhz, Transmist and Receive

Transmit Power: 0.5 W, 1 W, 2 W Adjustable

Over Air-Baud Rate: 9600 / 19200 Adjustable

Range: 15 km Maximum Distance

Environmental

Working Temperature: - 30 °C to + 65 °C

Storage Temperature: - 40 °C to + 85 °C

Humidity: 100 % Non-Condensing

Ingress Rating: IP67

Shock: 2 m Pole Drop on Concrete

Physical

Housing Material: Magnesium Aluminum Alloy

Dimension: 149 mm x 49 mm

Weight 670 g