

N2 Palm GNSS Receiver



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Features

- 1590 channels and 50+ satellites tracking capabilities
- Tracking all running and planned constellations, including GPS, BDS-2, BDS-3, GLONASS, Galileo, QZSS and SBAS
- Up to 15km work range with enhanced UHF
- Up to 60°tilt with 2.5 cm accuracy
- 20+ hrs continuous work with 10000mAh batteries
- Support NFC and Bluetooth connection
- IP67 dust- and waterproof for harsh environments

3rd Generation IMU

By compensating for up to 60° tilt, N2 eliminates challenges associated with surveying concealed or unsafe points and maintains accuracy within 2.5cm. Also, being immune to magnetic disturbance increase reliability.

Easy Connection

With advanced NFC, N2 can be connected automatically with a single touch. Dual mode Bluetooth 5.0 allows users to connect at higher distance and low energy standards. Tedious matching is a thing of the past.

Enhanced UHF

Integrated UHF ranges from 410 to 470 MHz. Up to 15km long work range makes it work-efficient and energy-saving for field work. It can be used as either a base station or a rover in largely extended working scenarios

Longer Battery Life

10000mAh Battery makes 20+ hours day&night work possible. QC2.0 helps N2 full-charged in 5 hours, dealing with the worry about power outage.

Specifications

Channel 1590

GPS L1C/A, L1C, L2P, L2C, L5

BDS B1I, B2I, B3I, B1C, B2a, B2b

GLONASS G1, G2, G3

Galileo E1, E5a, E5b, E6c, E5 AltBOC

QZSS L1C/A, L2C, L5, L1C

IRNSS L5

SBAS L1C/A

Signal Re-acquisition ?1s

RTK Initialization Time <10s

Signal Baseline RTK 8mm+1ppm Horizontal

15mm+1ppm Vertical

SBAS 1 m 3D RMS

Standalone 1.5m 3D RMS

Data Update Rate 1Hz, 2Hz, 5Hz, 10Hz

reliability ?99%

Internal Memory 8GB(default), 16GB/32GB(optional)

Tilt Survey Up to 60°tilt with 2.5 cm accuracy

Dimension 149±1mm(?), 48±1mm(H)

Weight 670g including battery

Working Temperature -30?~+65?

Storage Temperature -40?~+85?

Humidity 100% non-condensing

Water- & Dustproof IP67

Voltage 5/9V

Power Consumption RX mode?1.8W, TX mode?3.6W

Over Current Protection Voltage 30V, VBUS 9.99V

Charging Time <5h(QC2.0)

Battery life ?20h

