N2 Palm GNSS Receiver







N2 Palm GNSS Receiver Slim- line design makes the N2 one of the most compact GNSS receiver: only 48mm and 0.67kg including battery. Compared with a typical . GNSS receiver, it is more than 35% thinner and 40% lighter,
can be carried, used and operated more easily without fatigue.

??????????: ??? ???????????? ?????
????

??????? ??? ?? ??????

?????????

N2 Palm GNSS Receiver

Slim- line design makes the N2 one of the most compact
GNSS receiver: only 48mm and 0.67kg including battery. Compared with a typical .
GNSS receiver, it is more than 35% thinner and 40% lighter,
can be carried, used and operated more easily without fatigue.

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

Bluetooth Bluetooth 5.0 Dual-Mode
UHF port TNC
UHF Power Consumption 0.5W, 1W, 2W adjustable
Air Baud Rate 9600/19200 adjustable
UHF Channel Space Tx/Rx with full frequency range from 410-470MHz
4G modem LTE-FDD:
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD: B38/B39/B40/B41
WCDMA: B1/B2/B4/B5/B6/B8/B19
GSM: B2/B3/B5/B8
Serial Port Support serial communication
USB Type-C

??????????? ??? ?????? ??? ????????????: