

Net S9 Continuously Operating Reference Station





- · Integrated professional OEM board
- · New design of aluminum alloy housing
- · IP67 industrial level standard
- \cdot WIFI hotspot and Bluetooth connections
- \cdot STH, RINEX raw data storage to FTP server
- \cdot eMMC technology for internal memory

Summary

SOUTH NET S9 has integrated professional OEM board, compatible with all constellations.

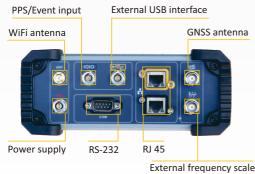
In addition, we greatly improve the operation experience and convenience for users with the additional function of WiFi hotspot and Bluetooth connections, thus, users are able to configure receiver with any mobile terminal. NET S9 is not only able to record STH file, but also support RINEX file storage.

10000mAh high capacity of battery builtin, can act as a primary power source or as an Uninterupted Power Supply (UPS) backup.

SOUTH NET S9 is using eMMC (Embeded Multi Media Card) technology for internal memory, faster and larger, stable and reliable. Moreover, NET S9 allows to connect to an external storage devices(maximum up to 1TB) via USB Host interface so that you don't have to worry about data storage.

User Interface





Distributor Info

arget your success

| GNSS | |
|--|---|
| Channels | 1598 channels |
| GPS | L1 C/A, L2E, L2C, L5 |
| GLONASS | L1 C/A, L1P, L2 C/A(GLONASS M only), L2P |
| BDS | B1, B2, B3 |
| GALILEO | L1 BOC, E5A, E5B, E5AltBOC1 |
| SBAS | L1, L2C, L5 |
| Initialization | Typically<10 seconds |
| Initialization reliability | >99.9% |
| Accuracy | ×55.570 |
| Code differential GNSS | Horizontal: 25cm+1ppm RMS |
| positioning | Vertical: 50cm+1ppm RMS |
| SBAS positioning accuracy | <5m (typically) 3DRMS RMS |
| high precision static | Horizontal: 2.5mm+0.1ppm RMS |
| 5 1 | Vertical: 3.5mm+0.4ppm RMS |
| Static GNSS surveying | Horizontal: 2.5mm+0.5ppm RMS |
| Baseline<30km | Vertical: 5mm+0.5ppm RMS |
| Static GNSS surveying | Horizontal: 4mm+0.5ppm RMS |
| Baseline>30km | Vertical: 9mm+0.5ppm RMS |
| Real-time Kinematic | Horizontal: 10mm+1ppm RMS |
| Baseline<30km | Vertical: 20mm+1ppm RMS |
| Real-time Kinematic | Horizontal: 8mm+0.5ppm RMS |
| Network RTK | Vertical: 15mm+0.5ppm RMS |
| Data storage & output | |
| Data storage | 8G (extend to 32G) internal memory is capable of cycle- |
| | recording raw data, adopts eMMC technology, stable and reliable |
| Positioning rate | 1Hz, 2Hz, 5Hz, 10Hz, 20Hz, 50Hz(depend on setup option) |
| Reference output | RTCM2.1, RTCM2.2, RTCM2.3, RTCM3.0 |
| Novigation subject | RTCM3.1, RTCM3.2 |
| Navigation output | ASCII: NMEA-0183 GSV, AVR, RMC, HDT, VGK, ROT, GGK, GGA, |
| Data format | GSA, ZDA, VTG, GST, PJT, PJK, BPQ, GLL, GRS, GBS and binary |
| Data retrieval | Support STH, RINEX2.x, RINEX3.x raw data storage Download form HTTP, FTP Push and USB copy |
| Data communication | Download form fifter, FTF Fusit and OSB copy |
| Ethernet protocol | Support TCP/IP, HTTP and NTRIP protocol |
| Serial port | Navigation data, static data and differential correction data |
| | transmission, PPS-UTC |
| Bluetooth | Bluetooth 2.1 (Class2)+EDR, 2.4GHz |
| WiFi | 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user |
| | interface with the mobile terminal via its WIFI hotspot |
| Electrical | |
| Power supply | 9V \sim 28V DC input, 3 separate interfaces for power supply with |
| | over-voltage protection |
| Battery | 10000mAh high capacity of battery built-in |
| Battery life | More than 15 hours for continuous work in default configuration |
| Consumption | Low power consumption 3.8W |
| User interface | Front nanol display with buttons and LED career |
| Front panel Network interface | Front panel display with buttons and LED screen Two RJ45 network interface |
| RS-232 serial | |
| NJ ZJZ JCHUI | ()ne RS-737 serial nort(9-nin) data transmission |
| USB | One RS-232 serial port(9-pin), data transmission Two USB port_USB host and USB device |
| USB Power interface | Two USB port, USB host and USB device |
| USB Power interface Multi-function interface | Two USB port, USB host and USB device Three separate power interface |
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