Summary

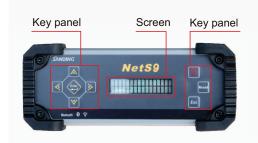
SANDING NET S9 has integrated professional OEM board, 1598/336 channels, compatible with all constellations.

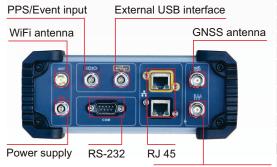
In addition, we greatly improve the operation experience and convenience for users with the additional function of WiFi hotspot and Bluetooth connections, thus, users are able to configure receiver with any mobile terminal. NET S9 is not only able to record STH file, but also support RINEX file storage.

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

SANDING 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





External frequency scale

Distributor Info

GNSS	4500 shannala 220 shannala (2011-10-1)
Channels	1598 channels, 336 channels (optional)
GPS	L1 C/A, L2E, L2C, L5
GLONASS	L1 C/A, L1P, L2 C/A(GLONASS M only), L2P
BDS	B1, B2, B3
GIOVE-A	L1 BOC,E5A, E5B, E5 AltBOC
GIOVE-B	L1 CBOC,E5A, E5B, E5 AltBOC
SBAS	L1 C/A, L5
Initialization	Typically<10 seconds
Initialization reliability	>99.9%
Accuracy	Harimantali, OF sero I America DMC
Code differential GNSS	Horizontal: 25mm+1ppm RMS Vertical: 50mm+1ppm RMS
positioning	
SBAS positioning accuracy	
Static GNSS surveying	Horizontal: 2.5mm+0.5ppm RMS Vertical: 5mm+0.5ppm RMS
Baseline<30km	
Static GNSS surveying	Horizontal: 4mm+0.5ppm RMS Vertical: 9mm+0.5ppm RMS
Baseline>30km	• •
Real-time Kinematic	Horizontal: 10mm+1ppm RMS Vertical: 20mm+1ppm RMS
Baseline<30km Real-time Kinematic	Vertical: 20mm+1ppm RMS Horizontal: 8mm+0.5ppm RMS
Network RTK	Vertical: 8mm+0.5ppm RMS
Data storage & output	vortical. Tottilit vo.oppiii Nivio
Data storage & output Data storage	8G (extend to 32G) internal memory is capable of cycle-recording
Data diorago	raw data, adopts eMMC technology, stable and reliable
Positioning rate	1Hz, 2Hz, 5Hz, 10Hz, 20Hz, 50Hz(depend on setup option)
Reference output	CMR, CMR+, RTCM2.1, RTCM2.2, RTCM2.3, RTCM3.0,
recipied output	RTCM3.1, RTCM3.2, sCMRx, RTCA, NOVATELX
Navigation output	ASCII: NMEA-0183 GSV, AVR, RMC, HDT, VGK, ROT, GGK, GGA,
. tanganan barpat	GSA, ZDA, VTG, GST, PJT, PJK, BPQ, GLL, GRS, GBS and binary
Data format	Support STH, RINEX2.x, RINEX3.x raw data storage
Data retrieval	Download form HTTP, FTP and USB copy
Data communication	
Ethernet protocol	Support TCP/IP, HTTP and NTRIP protocol
0	Navigation data, static data and differential correction data
Serial port	J Zama, Zama and anio onio onioni data
Seriai port	transmission, PPS-UTC
Bluetooth	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz
	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user
Bluetooth WiFi	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz
Bluetooth WiFi Electrical	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user interface with the mobile terminal via its WIFI hotspot
Bluetooth WiFi	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user interface with the mobile terminal via its WIFI hotspot 9V—28V DC input, 3 separate interfaces for power supply with
Bluetooth WiFi Electrical Power supply	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user interface with the mobile terminal via its WIFI hotspot 9V—28V DC input, 3 separate interfaces for power supply with over-voltage protection
Bluetooth WiFi Electrical Power supply Battery	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user interface with the mobile terminal via its WIFI hotspot 9V—28V DC input, 3 separate interfaces for power supply with over-voltage protection 10000mAh high capacity of battery built-in
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Bluetooth WiFi Electrical Power supply Battery Battery life Consumption User interface Front panel	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user interface with the mobile terminal via its WIFI hotspot 9V—28V DC input, 3 separate interfaces for power supply with over-voltage protection 10000mAh high capacity of battery built-in more than 15 hours for continuous work in default configuration
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Bluetooth WiFi Electrical Power supply Battery Battery life Consumption User interface Front panel Network interface RS-232 serial	transmission, PPS-UTC Bluetooth 2.1 (Class2)+EDR, 2.4GHz 2.4GHz, IEEE 802.11 b/g/n, allows to access built-in web user interface with the mobile terminal via its WIFI hotspot 9V—28V DC input, 3 separate interfaces for power supply with over-voltage protection 10000mAh high capacity of battery built-in more than 15 hours for continuous work in default configuration Low power consumption 3.8W Front panel display with buttons and LED screen Two RJ45 network interface One RS-232 serial port(9-pin), data transmission
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SANDING OPTIC-ELECTRICS INSTRUMENT CO.,LTD

