Net S9

- Integrated professional OEM board
- New design of aluminum alloy housing
- IP68 industrial level standard
- STH, RINEX raw data storage to FTP server
- 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 USB.

10000mAh high capacity of battery built-in, 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(maximumupto1TB) via USB Host interface so that you don't have to worry about data storage.

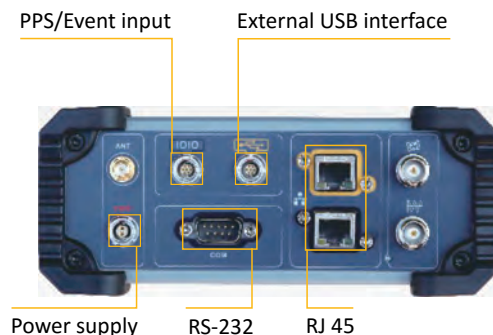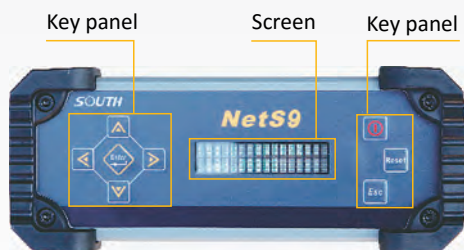| Data storage	
Data storage	8G (extend to 32G) internal memory is capable of cycle-recording raw data, adopts eMMC technology, stable and reliable
Positioning rate	1Hz, 2Hz, 5Hz, 10Hz, 20Hz, 50Hz(depend on setup option)
Data retrieval	
Data retrieval	Download form HTTP, FTP and USB copy
Data communication	
Ethernet protocol	Support TCP/IP, HTTP and NTRIP protocol
Serial port	Navigation data, static data and differential correction data transmission, PPS-UTC
Electrical	
Power supply	9V～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 panel	Front panel display with buttons and LED screen
Network interface	Two RJ45 network interface
RS-232 serial	One RS-232 serial port(9-pin), data transmission
USB	Two USB port, USB host and USB device
Power interface	Three separate power interface
Multi-function interface	One port supports PPS output, Event marker input, serial port and power supply
External port	One external scale port, supports high-precision atomic clock connection
Physical	
Dimension(L×W×H)	216mm×178mm×72mm
Weight	2.28kg
Shock and vibration	Rugged aluminum alloy housing plus plastic ring seal, designed to survive a 2m drop onto concrete
Waterproof/Dustproof	IP67 level standard, protect against for temporary immersion to a depth of 1m; Completely protect from dust
Environmental	
Storage temperature	-40℃～+80℃
Working temperature	-40℃～+75℃
Humidity	Relative humidity, 10%～100%condensing

User Interface

Key panel   Screen   Key panel

PPS/Event input   External USB interface

Power supply   RS-232   RJ 45

SOUTH

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