Standard Components

Specifications

Receiver	
Type	Dual-frequency
Mainboard	Navcom NCT 2100D
Number of channels	26 channels, 12 L1, 12 L2, 2 WAAS
LED status indicators	power, satellite , data link, record
Commuincation	RS-232, Bluetooth
I/O	RS-232, USB
Power supply	2 Li-lion battery, Working time:10 hours
Weight	≤2kg (include batteries)
Dimensions	169mm×152mm×106mm
Operating temp	-20℃~60℃
Storage temp	-30℃~70℃
Humidity	Up to 100%
Water/Dust	IP67, IEC529
Drops	Withstands 1m drop onto hard surfaces

Measurement precision and Position accuracy	
Post processing	Static H: ±(5mm+1ppm) V: ±(10mm+1ppm)
Real-time (rms)	RTK: Horizontal:±(10mm+1ppm) Vertical:±(20mm+1ppm) RTD:±0.45m

Position update and lantency	
Ordering	NCT-2100D L1/L2 GPS Engine Standard:5Hz raw data, 5Hz position, WAAS EGNOS and code differential GPS
Software upgrade options	Raw Data: 10Hz, 25Hz, 50Hz Position: 10Hz, 25Hz
Position lantency	0.03 secretary or less

Real-time RTK and DGPS/RTCM data formats	
RTK data formats	Real-time RTK standard DGPS/RTCM standard NavCom, RTCM, CMR and CMR+

Data links	
GPRS	SGS828 can support GPRS
Internal radio	The minisize of UHF (460MHz,2W) radio modem integrated into SGS828 Rover and Base housing
External radio	The external UHF (460MHz,25W) radio, you can choose any channels between 1 and 10. You need an external power supply for the radio.
Working distance	Static:≤50km RTD:≤50km RTK: Limited:25km (External radio) 5km (Internal radio)

Data recording	
Memory	Internal memory for receiver:128MB
Data capacity	200h L1+L2 data logging at 5s rate 500h L1+L2 data logging at 15s rate

Coordinate systems	
Ellipsoids	All common ellipsoids, User-definable ellipsids
Map projections	Mercator, UTM, Lambert
Transformation in receiver	Classical 7-parameter-3D Helmert

Others	
Summary of measuring:	Static, Rapid static, Kinematic
Controller software:	FOIF RTK

Suzhou FOIF Co.,Ltd.

TEL: +86 512 65224904
FAX: +86 512 65230619
Http://www.foif.com.cn
E-mail: internationalsales@foif.com.cn
ADD: 4 Kong Fu Si Lane, Suzhou 215006, P.R. China

Local Dealer:

SGS828

RTK GPS Receiver

http://www.foif.com.cn

SGS828 RTK Receiver

Features

Integrated, Cable-free GPS system

SGS828 GPS receiver combines a dual-frequency receiver, antenna, UHF radio and batteries in one compact unit.

Easy-to-use

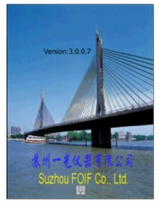
- The stakeout and survey work only need one person with SGS828.
- For data-link communications it could use the build-in UHF radio, or use an external radio, or GPRS.

Advanced technology

- The base/rover station could be used as a rover/base by change the setting.
- SGS828 is able to work in VRS/GPSNet/Other NTRIP system.
- Integrated bluetooth wireless technology enables cable-free communication between the SGS828 receiver and controller.
- Water/dust proof is IP67, and temporary submersion to a depth of 1m.
- Working time with two built-in batteries is up to 10 hours.

Controller

- WORKABOUT PRO professional controller
- 3.6 in. VGA full color touch screen
- Bluetooth wireless technology



Specifications of controller

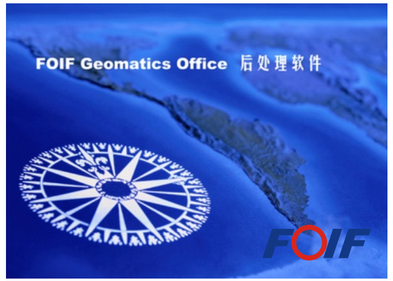
Controller	
Type	WORKABOUT PRO 2
CPU	PXA270 520MHz, 32bit RISC CPU
Operation system	Microsoft Windows Mobile 6
Display	3.6 in. VGA full colour touch screen, Ilumination
Memory	128MB , extend SD card
Communication	Integrated Bluetooth and RS232
Working distance	≤10m (for Bluetooth)
I/O	USB/RS232
Dimensions	200mm×75mm×31mm
Weight	0.39kg (Include batteries)
Operating temp	-20℃~50℃
Storage temp	-40℃~60℃
Humidity	95%
Water/Dust	IP65, IEC529
Drops	1.2m (4ft) drops to polished concrete

FOIF

FOIF Data Process Software

FOIF data process software could meet everything that you need
Intuitive graphical interface makes your operation more effecient.
You can manage the GPS status by rich infromation: Navigation, accuracy display,base line data and the active satellite.

User could visit our website **www.foif.com.cn** to download.



Application