583

SB3 Modular gnss receiver Dual GNSS antennas



Designed for Direction Guidance





















ALWAYS ARROW AHEAD





Web Server

Familiar Web Server interface provides full receiver status, configuration, data access, as well as a variety of access controls and online service.

	Status		Locations			
8	Configuration		FNI: 0.80'900006.8	Fos: 0.0,8:00000,M.	A8: 0.000000 m	Elipsoid: W93-64
			RTK Blafasi:			
×.	Satellite Information	•	Solution Autoromous	Contention Delay: 9	HEARS; 0.000	WMM5; 0.000
22	Data Record		Base X: 0.000000	Base V: 0.000000	Base 2: 0.000008	Base (C): B
я.	Data Trensfer	•	Different: NONE			
0	Network Config		RTR:			
ī.	Radio Config		9N: 20		tracking time: 0	
£.	Farroware Update		Azirweb: 0.00		Bevalues: 8.00	
22	Track Manage	•	SNR: 6.00		bolutos: #	
0	Coordinate System	•	Tracked BasetBag():			
0	Online Service	•	dP6(0): New		6CONASSES: None	
	User Management	•	80500: None		GALLEDICE: MORE	
	Hele		50A500; None		GZINESC Hore	
?	Help	•	Oand Enterthin(2):			
			GFB(0): Alexer		GLONASSER: None	
			B25(0): Alwar		GALFLEDOR: None	
			Shadeli hone		OCODEC: NONe	

Linux OS

Powered by the new generation of embedded Linux operating system, S83 has a greatly improved RTK performance and efficiency. One unique core processing mechanism is able to response to more than one command at one time.

Satellites Signals

Seamlessly tracks all available constellation signals: GPS, GLONASS, BeiDou, GALILEO, etc.



Network Data Link

Built-in network module HUAWEI ME909S. Supports more telecom standards: WCDMA, CDMA2000. FDD-LTE, TD-LTE, and also GPRS and EDGE.

Radio Data Link

New radio module provides up to 3W output, extending the working area from 3km to maximum 8km. Radio router and repeater functionalities can be realized to serve more receivers in the field.

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Specification

Performance				
No. of Channel		555		
Configuration		GPS, GLONASS, BEIDOU GALILEO & SBAS.		
Single Tracked	GPS	L1C/A, L1C, L2C, L2P , L5		
Single nacked	GLONASS	L1C/A,L1P,L2C/A,L2P, L3, L5		
	BEIDOU	B1, B2		
	Galileo	GIOVE-A, GIOVE-B, E1, E5A, E5B		
	QZSS	L1C/A,L1C,L2C,L5		
	SBAS	L1C/A, L5 (only for the satellites supporting L5)		
Position Accuracy				
Code Differential	Horizontal	25cm+1ppm RMS		
	Vertical	50cm+1ppm RMS		
	SBAS	Typically <5m 3DRMS		
Real-time Kinematic	Horizontal	8.0mm+1.0ppm RMS,		
	Vertical	15.0mm+1.0ppm RMS		
Static	Horizontal	2.5mm+0.5ppm RMS		
510110	Vertical	5.0mm+0.5ppm RMS		
Heading accuracy	2 m baseline	0.04 deg		
	4 m baseline	0.08 deg		
Communication	1/0	Network antenna socket, External antenna socket		
	,, -	7-pin LEMO, 5-pin LEMO, two gnss antenna interface		
		RJ45 Ethernet port, 1 PPS interface		
		SIM cars slot		
Wireless Modem		Integrated internal radio receiver & transmitter		
	Frequency	410-470MHz		
	Protocol	TrimTalk450s, TrimMark3, SOUTH		
	Output Power	1W/2W/3W		
GSM/GPRS Modem		WCDMA 3.5G module, GPRS/EDGE compatible, TDD-LTE/FDD-LTE/TD-SCDMA 4G		
Double Module Bluet	ooth	Bluetooth 4.0 standard, supports connection with Android & iOS		
		Bluetooth 2.1 + EDR standard		
WiFi		802.11b/g		
Data Storage/Transn	hission	8GB SSD internal memory, external USB disk Cyclic storage program, automatically overwrite old data when disk is full		
Data Format	Differential	CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2		
	GPS Output	NMEA 0183, PJK plane coordinates, binary code, Trimble GSOF		
	Network Model	Fully support NTRIP protocol		
User interaction	Operating system	Linux		
	Button	Two buttons, PWR+Func key		
	WEB SERVER	Online management platform for monitoring and configuring		
Physical	Dimension	184mmx148mmx68mm		
-	Weight	1.24kg		
Environmental	Operating Temp.	-45°C to 60°C		
	Storage Temp.	-55°C to 85°C		
	<u> </u>			
	Humidity	Non-condensing		
	Proof Shock	IP65 standard Withstands 1.5m pole drop onto cement ground naturally.		

SANDING OPTIC ELECTRICS INSTRUMENT CO., LTD.

Add: No. 39 Si Cheng Road, Tian He IBD, Guangzhou 510663, China Tel/Phne: +86-15040324021 Fax: +86-20-23380800 E-mail: export@sandinginstrument.com http://www.sandinginstrument.com