

◎ SPECIFICATIONS

ITEMS			
GNSS Signal	Channels	965, 336 (optional)	
	GPS	L1C/A, L2E, L2C, L5	
	BDS	B1, B2, B3	
	GLONASS	L1C/A, L2P, L2C/A, L2P	
	GALILEO	E1, E5A, E5B, B5AltBOC, E6	
	SBAS	WASS, MSAS, EGNOS and GAGAN	
	NavIC(IRNSS)	Depends on the installing board	
	Intelligent and dynamic high sensitivity positioning technology to adapt rough working environment and longer working range		
	Initialization time: <45 s (cold start)		
	Reliability: >99.9%		
Accuracy	Autonomous	H: 3 m, V: 5 m(1 sigma, PDOP< 3)	
	Differential GPS	H: 25cm+1ppm, V: 50+1 ppm	
	Long observation static	H: 2.5mm+0.1ppm, V: 5mm+0.4ppm	
	Static and fast static	H: 3mm+0.5ppm, V: 5mm+0.5ppm	
	Realtime kinematic	H: 8mm+1ppm, V: 15mm+1ppm	
Data Save/ Output	Internal memory	64G(support 1TB), auto cycling save	
	Removable storage	Support external removable storage upto 1 T	
	Position update rate	0.05Hz, 0.1Hz, 0.2Hz, 1Hz, 2Hz, 5Hz, 10Hz, 20Hz, 50Hz (depends on installation option)	
	Differential data output	RTCM2.x, RTCM3.x, CMR, sCMRx, Novatelx, Binex	
	Navigation data output	ASCII: NMEA-0183 GSV, AVR, RMC, HDT, VGK, VHD, ROT, GGK, GGA, GSA, ZDA, VTG, PJT, PJK, BPQ, GLL, GRS, GBS, Binary	
	Static data format	STH, Rinex2.x, Rinex3.x, Binex	
	Data retrieval	Data download by HTTP, FTP, pen drive copy	
	Concurrent data logging	8 independent logging	
	Communication	Ethernet	Supports TCP/IP data stream, ntrip server, client, caster, HTTP, FTP
		Serial port	Support multi independent data streams, navigation data, observation data, differential correction data
Bluetooth		Bluetooth 2.1+EDR, 2.4GHz	
WIFI		2.4GHz, IEEE 802.11b/g/n, supports hotspot and client mode	
Radio		Selectable(1W/2W/3W)	
Phone network		GSM, GPRS, LTE, UMTS, HADPA, 3G, 4G	
Authority level		3 Level(Super administrator, Auditor, administrator)	
Security	System log	Log records up to 10000 for all the operations done with system	
	Password authentication	Allows multi-characters combination for password and multi authentications	
	Encryption algorithm	Advanced encryption algorithm, SM2+SM4 combination	
	Digital certificate	Digital signature to authorize different level of configuring receiver	
	System security	Inbuilt firewall, auto detect malicious attack. Dual system and configuration parameters backup	
Electric	External power supply	9-36V DC input with over-voltage protection. 3 DC input ports	
	Internal battery	Inbuilt 10000mAh li-ion battery supports continuous work more than 20 hours. Auto charge inbuilt battery when external DC power is supplied	
	Power	4.6W	
Device Interface	Front panel indicating light: Bluetooth, differential correction, WIFI, data logging, power, battery status		
	Rj45: 1		
	Rs232: 2, support meteorology data, tilt sensor data and other sensor data		
	USB port: 2, USB host, USB device		
	External DC supply: 3		
	PPS output interface: 1; Event maker input interface: 1		
	External frequency scale port: 1		
	GNSS antenna port: 1		
	UHF antenna port: 1		
	SIM card slot: 1		
Physical	Size	216X178X72 mm	
	Weight	2.25 Kg	
	Shock and drop	Rugged alluminium shell, survive a 2 m dop	
	Water/dust proof	IP68	
Environmental	Working temperature	-40°C-75°C	
	Storage temperature	-45°C-85°C	
	Non-condensing humidity	100%	

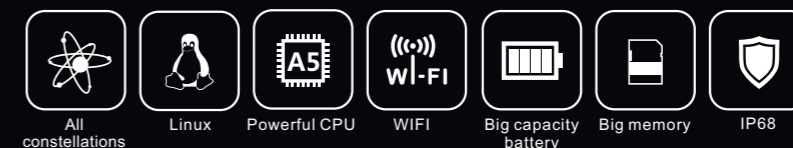
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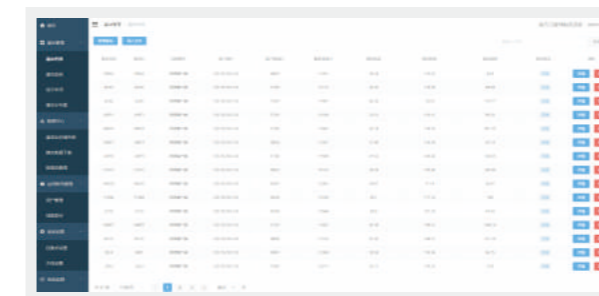
NET S10
Intelligent CORS receiver



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Intelligent CORS receiver

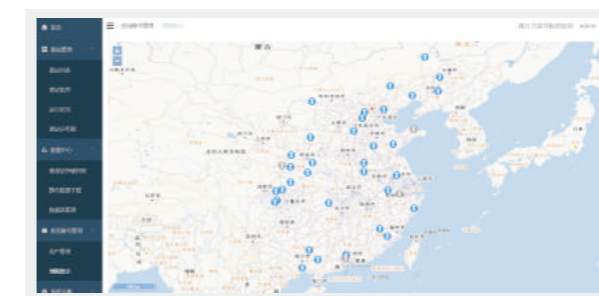
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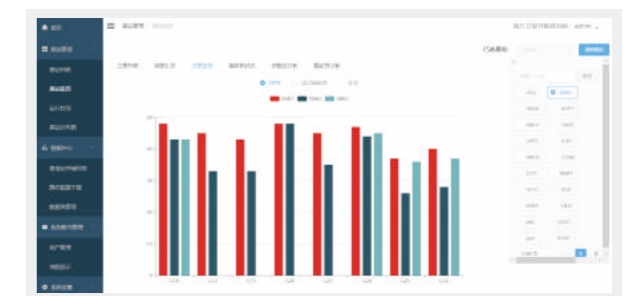
Standard data interface, support secondary development



Full satellite constellations support



Being added the ionosphere and troposphere model NRS improves core algorithm towards baseline processing.



Encrypted data broadcast of correction data, coordinates conversion parameters and improved Geoid model parameters secures the data safety.

It can process either combination data of GPS, BDS, GLONASS, GALILEO or data from a single constellation.



NET S10 is the latest design CORS receiver which supports all satellites constellations and integrated GPRS, WIFI, Radio, Bluetooth, Ethernet.

© Key Features

- With 692 channels board, it supports 4 satellite constellations signal
- Equipped with Cortex-A5 processor and Linux system, it brings faster computing speed and higher stability.
- Adopting the SM2+SM4 Encryption algorithm, the security from data logging, storage to transferring can be seamlessly Guaranteed.
- A 3-level authority (super administrator, auditor, administrator) management architecture firmly ensures the data safety.
- Up to 10000 System logs record every operations. Misoperation can be traced easily.
- Rugged alluminium body resists collision, scratch, drop, press, etc.
- Rich indicating lights on front panel facilitate the configuration for receiver without the need of computer or mobile phone.
- WIFI and Bluetooth make receiver's configuration very easy.
- In case of internet failure, inbuilt Radio can make the receiver continue to work and delivery differential correction data to Rover.
- Multi format data recording (STH, RINEX2.x, RINEX3.x, BINEX).
- Inbuilt 10000mAh Li-ion battery provides upto 20 hours work duration.
- 64G internal memory+external storage (up to 1T) automatic circular storage.
- 10MHz external frequency input, 1 PPS output, 1 event input, Met/Tilt sensor input.

