

Intelligent CORS receiver

NET S11mini



Product Feature

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| Full-frequency Coverage | Supports BDS/GPS/GLONASS/Galileo/QzSS full-frequency tracking |
| High Precision | New-gen positioning & orientation module, integrated navigation algorithm, centimeter-level accuracy |
| High Dynamics | 100Hz position & attitude output, suitable for high-speed scenarios |
| PPP | Precise Point Positioning, decimeter/centimeter-level accuracy without reference station |

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GNSS Signal	Position		Navigation	
	BDS	B1I、B2I、B3I、B1C、B2a、B2b	BDS	B1I、B2I、B3I、B1C、B2a、B2b
	GPS	L1C/A、L2P、L5C	GPS	L1C/A、L2P、L5C
	GLONASS	G1、G2	GLONASS	G1、G2
	Galileo	E1、E5a、E5b	Galileo	E1、E5a、E5b
	QZSS	L1、L2、L5	QZSS	L1、L2、L5
	CHANNEL	1698		
Positioning Accuracy	Single - point Positioning	H:1.5m; V:3.0m (1σ, PDOP≤3)		
	Static Measurement Accuracy	H:±2.5mm+0.5×10 ⁻⁶ D;V:±5mm+0.5×10 ⁻⁶ D		
	Dynamic Measurement Accuracy	Positioning:H:±8mm+1×10 ⁻⁶ ·D;V:±15mm+1×10 ⁻⁶ ·D		
		H:±2.5mm+0.5×10 ⁻⁶ D;V:±5mm+0.5×10 ⁻⁶ D		
	Speed Measurement Accuracy	≤0.02m/s(1σ, PDOP≤4)		
	Pseudorange Measurement	≤10cm (1σ)		
	Carrier Phase Observation Accuracy	≤1mm (1σ, elevation mask angle 5°)		
	Internal Noise Level	≤0.1mm		
	Time Accuracy	≤5ns		
	Initialization Time	<5s		
Initialization Confidence	≥99%			
Inertial Navigation System Accuracy	Gyroscope	Range: ±125°/s		
		Bias Stability: 10°/h		
	Accelerometer	Range: ±4g		
		Bias Stability: 70μg		
Data Storage/ Output	Memory	64G(support 1TB), has storage capacity for original observation data with 1s sampling interval (satellite elevation mask angle 15°) for over 1 year		
	Position Output	60s, 30s, 15s, 10s, 5s, 2s, 1Hz, 2Hz, 5Hz, 10Hz, 20Hz, 50Hz, 100Hz (depending on installation options), up to 50Hz original measurement and position output		
	Storage Format	Supports STH, RINEX2.X, RINEX3.X, supports independent storage of 13 channels, and different sampling rates can be set, BINEX (Optional)		
	Storage Format	Supports STH, RINEX2.X, RINEX3.X, supports independent storage of 13 channels, and different sampling rates can be set		
	Data Retrieval	HTTP/HTTPS download, FTP data download and upload (supports multi-channel upload), and USB		
	Remote Control	Equipped with remote control capabilities		
Data Transmission	Data Transmission	Support network, serial port, Bluetooth, Wi-Fi, etc.		
Electrical Specification	External Power Supply	Input of 9-36V DC power supply or 100V-240V AC power supply, AC working frequency 50Hz-60Hz		
	Built-in Battery	Built-in 6000mAh lithium battery, can work continuously for no less than 8 hours under default settings		
	Power Consumption	4.6W		
Device Interfaces	1 RJ45 network interface			
	2 serial ports (RS232)			
	1 USB interface			
	1 PPS output interface, 1 external event input interface			
	1 external frequency standard interface, supporting 10MHz external frequency standard input			
	2 GNSS antenna input interfaces (TNC)			
	1 WIFI antenna interface			
	1 SIM card interface			
	1 4G antenna SMA interface			
Physical Specifications	Size	150mm*170mm*60mm		
	Screen	2.8 inches		
	Weight	1.45kg		
	Shock and drop	Sturdy aluminum alloy shell with rubber ring, resistant to 1.5m natural drop		
	Water/dust proof	IP68		
	Salt Spray Resistance	C4		
	Mold Resistance	Grade 1		
Operating Environment	Operating Temperature	-45℃~85℃		
	Storage Temperature	-55℃~85℃		
	Operating Humidity	Relative humidity, 10%-100% (non-condensing)		