

Njord

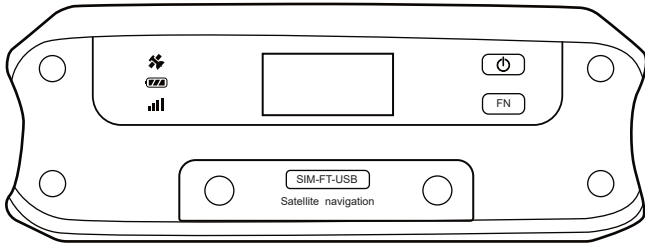
GNSS Receiver

- Convenient front panel display and configuration
 - Multiple I/O ports for different signals and purposes including NMEA-0183 and pps
 - Radio, cellular internet and cable and other kinds of communication
 - Benchmark PPP Service technology provides seamless
 - RTK performance during connection outage
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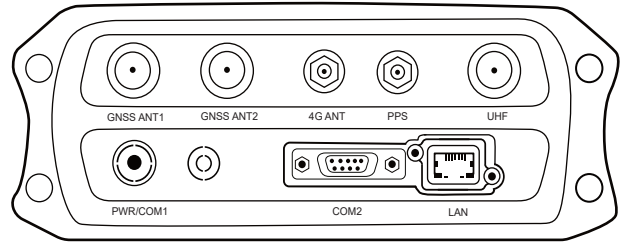


Njord GNSS Receiver

The Njord is SatLab next generation multi-GNSS, multi-frequency position, position and heading receiver designed specifically for marine and construction applications with capability of L-Band correction and multiple I/O interface for versatile data communication.



Front



Rear

Data Specifications

System	CPU & OS	Cortex-A8, AM3358, Linux		
	Storage	8 GB internal storage, support external SD card		
GNSS Performance	Channel	1408		
	Signal Tracking	BDS: B1/B2/B3 GALILEO: E1/E5	GPS: L1/L2/L5 QZSS: L1/L2/L5	GLONASS: L1/L2 Support L-Band
	RTK Accuracy	H:± 8 mm + 1 ppm V:± 15 mm + 1 ppm		
	Static Accuracy	H:± 2.5 mm + 0.5 ppm V:± 5 mm + 0.5 ppm		
	Autonomous	H:±1.5m (RMS) V: ± 3 m (RMS)		
	SBAS	H:±0.5 m (RMS) V: ± 0.85 m (RMS)		
	Hi-RTP	H:±5 cm (RMS) V: ± 10 cm (RMS)		
	Heading Accuracy	0.05° @ 4.0 m antenna separation		
	Positioning Rate	20 Hz Max		
	Message Type	RTCM2.x, RTCM3.0, RTCM3.2		
Cellular	Operaion Frequencies	LTE:900/1800/1900/2100/2300/2500/2600 MHz WCDMA:850/900/1900/2100 MHz; GSM:900/1800 MHz		
Radio UHF	Protocols	TRIMTALK450S, TRIMMARKⅢ, TRANSEOT, SOUTH		
	Frequency	410-470 MHz, -116 dBm		
	Channels	116, editable from 100 to 115		
	Power	2 W, 1 W, 0.5 W		
Interface	Bluetooth	2.4 GHz, 4.0/2.1+EDR		
	WIFI	2.4 GHz, 802.11 b/g/n		
	Display	1.3 inch LED display,128*64		
	Buttons	Power and FN(Function)		
	Indicators	LED for satellites, data and power		
	Web UI	LAN IP : 192.168.20.1		
Physical I/O	2 GNSS antenna ports, 1 4G antenna port, 1 PPS output port, 1 RJ45 port, 1 DB9 port, 1 5-pin port, 1 SIM card slot, 1 mini USB port, 1 SD card slot,1 UHF radio port			
Electronics	2500 mAh/7.4 V internal battery, 3 hours battery life in rover mode 2.5 hours charging time 6~28 V DC Input 4.5 W power consumption in rover mode			
Others	Anti-vibration GB/T 2423.1 Anti-shock BD/T 2423.5 Salt Fog Test GJB150 11A Size: 203 mm*129 mm*60 mm Weight: 1.25 Kg			
Environment	Operation Temperature: -40 C ~+65 C (w/ external power supply) Storage Temperature: -40 C ~+65 C (w/ external power supply)			

* Specifications subject to change without notice.



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