

Njord

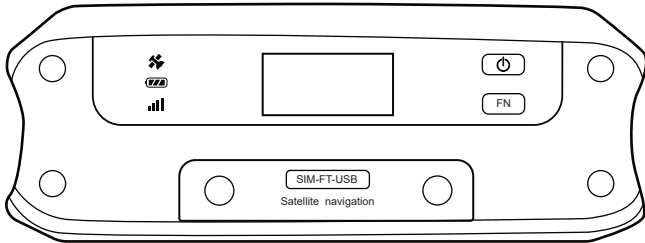
GNSS Receiver

- Convenient front panel display and configuration
 - Multiple I/O ports for various signals and applications, including NMEA-0183, PPS radio, cellular internet, cable, and other types of communication.
 - The Benchmark PPP Service technology ensures seamless RTK performance during a connection outage.
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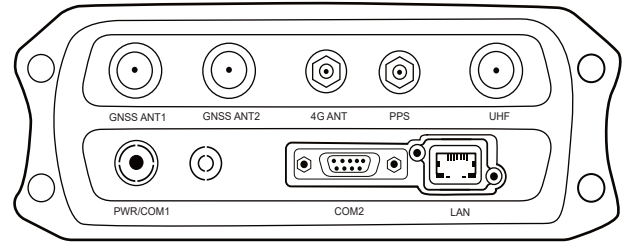


Njord GNSS Receiver

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 GPS: L1/L2/L5 GLONASS: L1/L2 GALILEO: E1/E5 QZSS: L1/L2/L5 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)
	PPP	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	Operation Frequencies	LTE:900/1800/1900/2100/2300/2500/2600 MHz WCDMA:850/900/1900/2100 MHz; GSM:900/1800 MHz
Radio UHF	Protocols	TRIMTALK450S, TRIMMARK III, 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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