SATLAB GEOSOLUTIONS

GS-1

GNSS Sensor

Key Features

- *Full Constellations and Full Frequencies GNSS Receiver*
- *Offer Product Customization Service to Tailor Specific Needs*
- *Suitable for Monitoring, CORS, Marine, Machine Control Other GNSS Applications*
- *WiFi Bluetooth, and 4G Wireless Supported.*

Made by Sweden

GS-1 GNSS Sensor

The full constellations and full frequencies GS-1 is a newly developed cost-effective GNSS receiver with a split design. And with built-in WiFi, Bluetooth, 4G wireless modules, and multiple external RS232 interfaces, the receiver supports both single and dual antenna versions.

Equipped with a powerful CPU processing capability and built-in Linux operating system, the device configuration of the receiver can be processed via the internal web, and the high-precision positioning data can be transmitted through WiFi, Bluetooth, 4G, and RS232 serial ports simultaneously.

As a universal GNSS sensor, its tailor-made service and wide use in the related industries distinguish the sensor from other traditional RTK and smart antenna significantly.

Physical Specifications		
Size	108*118*33mm	
Material	Aluminum alloy	
Technical Specifications		
GNSS Specifications	Satellite Signals	BDS: B1/B2 GPS: L1/L2 GLONASS: L1/L2 Galieo: E1/E5a/E5b QZSS: L1/L2/L5
	RTK Accuracy(RMS)	Horizontal: 1cm±1ppm; Vertical: 1.5cm±1ppm
	Data Frequency	20Hz
I/O Interface	4G	2G/3G/4G
	WIFI	BT4.0, support AP
	RS232	4 * RS232
	CAN	1 * CAN
Communication Protocol	Ntrip, TCP, UDP	
Data Formats	NMEA-0183, RTCM32, RAW data	
Power	9~36VDC	
Power Consumption	4.5W（typical）	
External Slot	Power and Data interface	8-pole M12 threaded waterproof connector *2
	Antenna Interface	SMA; GNSS *2; LTE *1; WIFI *1;
	USB	Type-C (Host)
	SIM Slot	MicroSIM
Protection Level	IP65	
Temperature	-40℃~80℃	

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