



E100 GNSS Receiver

E100 is our new generation of intelligent receiver, supporting multi-constellation satellites, built-in large capacity battery, 4G network module, using android operating system. Compact and rugged magnesium alloy body with excellent performance.

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Multi-constellation satellite tracked
GPS, GLONASS, BDS, GALILEO, SBAS, QZSS

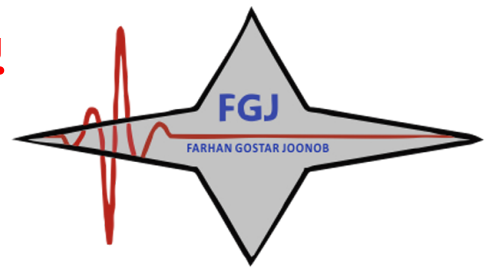
Built-in 4G network module
Faster network login, more stable network communication

Made of magnesium alloy material
Lighter and stronger

Support to receive the L-BAND satellite signal
One receiver can achieve centimeter-level positioning

Web UI
Access the Web page, complete the receiver configuration, download data, firmware upgrade, view status, etc. through the mobile phone, tablet and other handheld devices

Support TTS intelligent voice broadcast
Broadcast content can be customized by users



Product Specification

GNSS Receiver		Communication		
Channel	488	5-pin	Connect to external power and radio	
Satellite Tracking	GPS: L1CA/L1P/L1C/L2P/L2C		NMEA data output	
	GLONASS: G1/G2, P1/P2	Type-C	For charging and data transmission	
	BeiDou: B1/B2/B3	Sim Card	Micro SIM card	
	GALILEO: E1BC/E5a/E5b	Cellular	LTE FDD: B1/B3/B5/B8	
	SBAS: L1/L5		LTE TDD: B38/B39/B40/B41	
	QZSS: L1CA/L2C/L5/L1C		TD-SCDMA: B34/B39	
	L-Band: ATLAS H10/H30/H50		CDMA: BC0	
Update Rate	5 Hz, Up to 20 Hz		WCDMA: B1/B8	
Signal Reacquisition	< 1 sec		GSM: 900/1800MHz	
Hot Start	< 10 sec	Bluetooth	V2.1+EDR / V4.0 dual mode, Class 2	
Initialization Reliability	> 99.9%	WiFi	802.11 b/g/n	
Internal Memory	8 GB	WebUI	Update firmware, manage settings and status, download data	
		Voice	Support TTS voice broadcast	
Performance (RMS) ¹	Static Accuracy	Horizontal: 2.5 mm+0.1 ppm	Electronic Bubble	Support
		Vertical: 3.5 mm+0.4 ppm	NMEA Output	GGA, ZDA, GSA, GSV, GST, VTG, RMC, GLL
RTK Accuracy	Horizontal: 8 mm+1 ppm	Physical Specification		
	Vertical: 15 mm+1 ppm	Dimensions	φ148 mm x 62 mm	
Code Differential	Horizontal: 0.25 m	Weight	900 ± 5 g	
	Vertical: 0.45 m	Operation Temperature	-30°C ~ +65°C	
SBAS Accuracy	Horizontal: 0.3 m	Storage Temperature	-40°C ~ +80°C	
	Vertical: 0.6 m	Water/Dust Proof	IP67	
Power Supply		Shock	Survive a 2 m pole drop on concrete floor	
Battery	Rechargeable, built-in Lithium-ion battery		1.2 m free drop	
	7.2 V - 6900 mAh	Vibration	Vibration resist ant	
Voltage	9~28 V DC external power input	Humidity	Up to 100%	
Working Time	Up to 9 hours	Indicator	Satellites, Datalink, Battery level, Bluetooth	
Charge Time	Typically 4 hours	Certificate	CE, IP67	

Illustrations and technical specifications are subject to change without notice.

1. The accuracy claimed is based on the optimal environment.

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