



E600

GNSS Receiver

The E600 receiver can track all current satellite constellations and signals, including GPS/GLONASS/BEIDOU/GALILEO/QZSS, etc. The new generation of Athena RTK engine effectively improves RTK initialization success rate and initialization accuracy in harsh environments, and supports long-baseline RTK solution, which is an effective guarantee for high-efficiency and high-precision RTK operations.

Multi-constellation satellite tracking

GPS, GLONASS, BDS, GALILEO, SBAS, QZSS

Built-in radio supports more protocols

1W transmission power, effective range is 5km in optimum conditions

Intelligent dual batteries

Can be operated up to 10 hours, battery power can be read directly from the indicator light on the battery.

Built-in 4G network module

More stable network communication.

Web UI

Access the Web page, Complete receiver configuration, download data, upgrade firmware, view status and others through a smart phone, tablet or other hand-held devices.

Tilt survey

The E600 receiver integrates an electronic bubble sensor, combined with a new tilt survey algorithm and SurPad software operation. No calibration is required before measurement, the accuracy of coordinate data can be easily achieved Within 60 degrees tilt angle.

Product Specification

GNSS Receiver			
Model	E600-N	E600-H	E600-T
Channel	555	600	336
Satellite Tracking	GPS: L1CA/L1C/L2C/L2P/L5	GPS:L1CA/L1P/L1C/L2P/L2C/L5	GPS: L1 CA/L2E/L2C/L5
	GLONASS:L1CA/L2C/L2P/L3/L5	GLONASS: G1/G2, P1/P2	GLONASS:L1CA/L2CA/L3 CDMA
	BeiDou:B1/B2/B3	BeiDou:B1/B2/B3	BeiDou:B1/B2/B3
	Galileo:E1/E5/AltBOC/E5a/E5b/E6	GALILEO: E1BC/E5a/E5b	Galileo:E1/E5A/E5B/E5AltBOC/E6
	SBAS: L1/L5	SBAS: L1 CA/L5	SBAS: L1 CA/L5
	QZSS: L1CA/L1C/L2C/L5/L6	QZSS: L1CA/L2C/L5/L1C	QZSS: L1CAL1SAIF/ L1C/ L2C/ L5
	NAVIC: L5	L-BAND: ATLAS H10/H30/H50	NAVIC: L5
Update rate	5 Hz, up to 100 Hz	5 Hz, up to 20 Hz	100 Hz
Performance (RMS) ¹		Power Supply	
Signal Reacquisition	< 1 sec	Battery	Dual rechargeable and replaceable
Hot Start	< 10 sec		Lithium-ion batteries, 7.2 V - 3400 mAh * 2
Initialization Reliability	> 99.9%	Voltage	9~28 V DC, with over-voltage protection
Static Accuracy	Horizontal: 2.5 mm + 0.1 ppm	Operating Time	Up to 10 hours
	Vertical: 3.5 mm + 0.4 ppm	Charge Time	Typically 4 hours
RTK Accuracy	Horizontal: 8 mm + 1 ppm	Internal Radio	
	Vertical: 15 mm + 1 ppm	Frequency Range	410 - 470 MHz
Code Differential	Horizontal: 0.25 m	Channel Spacing	12.5 KHz / 25 KHz
SBAS Accuracy	Horizontal: 0.3 m	Emitting Power	0.5 W / 1 W
Communication		Operating Range	3 - 5 km typically
Memory	Internal 8 GB, expansion up to 32 GB	Physical Specifications	
5-pin	Connect to external power and radio	Dimension	Φ156 mm x 76 mm
7-pin	NMEA output and data download	Weight	1.3 Kg with 2 batteries inside
SIM Card	Micro SIM card		1.1 Kg without battery
Cellular	GSM/GPRS/EDGE/LTE/ UMTS/WCDMA	Operating Temperature	-30 C ~ +65 C
Bluetooth	V2.1+EDR / V4.1 Dual Mode, Class 2	Storage Temperature	-40 C ~ +80 C
WIFI	802.11 b/g/n	Water/ Dust Proof	IP67
WebUI	Update firmware, manage settings and status, Data download	Shock	Survive a 2 m pole drop on concrete floor
Voice	Support TTS voice broadcast		1.2 m free drop
Electronic Bubble	Support	Vibration	Vibration resistant
NMEA Output	GGA, ZDA, GSA, GSV, GST, VTG, RMC, GLL	Humidity	Up to 100%
		Indicator	Satellites, Datalink, Battery level, Bluetooth
		Certificate	CE, FCC, 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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