



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 tracked

GPS, GLONASS, BDS, GALILEO, SBAS, QZSS

Built-in radio supports more protocols

Transmit power 1W, effective working distance is 5km in the optimal work environment.

Intelligent dual batteries

Support up to 10 hours of work time, battery power can be read directly from the indicator light on the battery, the battery models of handheld device and host are same.

Built-in 4G network module

More stable network communication.

Web UI

Access the Web page, complete the receiver configuration, download data, upgrade firmware, view status, etc. through the mobile phone, tablet and other handheld 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 30 ° tilt angle.

+982165565901

+982144584619

+989034119385

پتروفرهان گستر جنوب

FGJ-NDT.IR

DIGINDT.IR



Product Specification

GNSS Performance

Model	E600-N	E600-H	E600-T
Channel	555	600	336
Satellite Tracked	GPS: L1CA/L1C/L2C/L2P/L5 GLONASS:L1CA/L2C/L2P/L3/L5 BeiDou:B1/B2/B3 Galileo:E1/E5/AltBOC/E5a/E5b/E6 NAVIC: L5 SBAS: L1/L5 QZSS: L1CA/L1C/L2C/L5/L6	GPS:L1CA/L1P/L1C/L2P/L2C/L5 GLONASS: G1/G2, P1/P2 BeiDou:B1/B2/B3 GALILEO: E1BC/E5a/E5b QZSS: L1CA/L2C/L5/L1C L-BAND	GPS: L1 CA/L2E/L2C/L5 GLONASS:L1CA/L2CA/L3 CDMA BeiDou:B1/B2/B3 Galileo:E1/E5A/E5B/E5AltBOC/E6 NAVIC: L5 SBAS: L1 CA/L5 QZSS: L1CA/L1SAIF/ L1C/ L2C/ L5
High Precision static	Horizon: 2mm + 0.1 ppm Vertical: 33mm + 0.4ppm	Horizon: 2mm + 0.1 ppm Vertical: 3mm + 0.4ppm	Horizon: 2mm + 0.1 ppm Vertical: 3mm + 0.4ppm
Static Accuracy	Horizon: 2mm+0.5ppm RMS Vertical: 3mm+0.5ppm RMS	Horizon: 2mm+0.5ppm RMS Vertical: 3mm+0.5ppm RMS	Horizon: 2mm+0.5ppm RMS Vertical: 3mm+0.5ppm RMS
RTK Accuracy	Horizon: 4mm+1ppm RMS Vertical: 8mm+1ppm RMS	Horizon: 4mm+1ppm RMS Vertical: 8mm+1ppm RMS	Horizon: 4mm+1ppm RMS Vertical: 8mm+1ppm RMS
SBAS Accuracy	Horizon: 0.6m RMS	Horizon: 0.3m RMS	Horizon: 0.5m RMS
Code Differential Accuracy	Horizon: 0.4m RMS	Horizon: 0.25m RMS	Horizon: 0.25m RMS
Update rate	Up to 100Hz	Up to 50Hz	Up to 50Hz

Power Supply

Battery	Dual rechargeable batteries 7.2V/3400mAh*2
Working time	Up to 10 hours
Input	9~28V DC,with over-voltage protection

Physical

Dimension	156mm*76mm
Weight	1.2KG with 2 batteries inside

Data Interface

TNC	For UHF Antenna
5-pin	External radio and external power
7-pin	Connect to PC controller and other external device, such as Echo Sounder
Others	SIM slot and TF slot
Buttons	Power button
Indicator	4 indicators, Satellites, Datalink, Bluetooth, WIFI Status

Communication

Memory	Internal 8G; Removable memory support TF card
Bluetooth	V2.1+EDR / V4.1 Dual Mode, Class2
WIFI	802.11 b/g/n
4G	GSM/GPRS/EDGE/LTE/UMTS/WCDMA
Internal UHF	Transmit power 1W, Frequency 410-470MHz Work Distance: 5km in optimal environment
Web UI	To manage the status and settings, upgrade firmware,data download
Electric Bubble	Enable
Tilt Survey	Support

Environment

Operating Temperature	-45°C ~+65°C
Storage Temperature	-50°C ~+80°C
Water/ Dust Proof	IP67 / IP68 (Russian Version)
Shock	Survive a 2 m (6.6 ft) pole drop, 1.2 m (3.9 ft) free fall
Vibration	Vibration resistant
Humidity	100%,condensing

+982165565901

+982144584619

+989034119385

پتروفرهان گستر جنوب

FGJ-NDT.IR

DIGINDT.IR