

S7G

GNSS handheld receivers
for modern positioning
technology



- ✓ Internal GNSS Antenna for centimetric accuracy
- ✓ High performance with new Processor Cortex®-A8-AM33X 1GHz
- ✓ Memory up to 32 GB

GPS/GNSS HANDHELD RECEIVER

GIS & SURVEY in one solution

The new STONEX S7G GNSS receiver combine the modern positioning technology and versatility of a powerful handheld, perfect for collecting geographic data and operate fast and accurate measurements. S7G handheld is compact, ergonomic and small size and weight: 234 mm x 99 mm and 895g. S7G is powered by a Cortex-A8-AM33X 1GHz processor and Windows Mobile 6.5 Professional operating system. To increase performance and to load the job data is available an SD card slot for external memory (internal 32 GB is included). S7G integrate a GSM/GPRS modem that provides fast and efficient internet connection directly on the field, and Wi-Fi and Bluetooth technology, that allow the user to transfer data quickly and conveniently on long distances. Thanks to the 3G internal modem there is also the possibility to improve the accuracy of data, connecting to real time differential correction network provider.

TECHNICAL FEATURES

RECEIVER

Satellite Tracked	GPS: L1, L2, L2C
	GLONASS: L1, L2
	BEIDOU: B1, B2
	GALILEO: E1
	SBAS
Channels	120
Position Rate	Up to 5 Hz
RTK Signal Initialization	Typically < 10 s

POSITIONING

Accuracy Internal Antenna	RTK: H 2 cm + 1 ppm V 3 cm + 2 ppm
Accuracy External Antenna	RTK: H 1 cm + 1 ppm V 2 cm + 1.5 ppm
Post Processed	5 mm + 1 ppm H
Autonomous	1.2 m RMS
SBAS	0.6 m RMS
DGPS	0.4 m RMS

HARDWARE

Processor	Cortex-A8-AM33X 1 GHz
RAM	512 MB
Flash Memory	32 GB
External Storage	8 GB included
Operation System	Windows Mobile 6.5 Professional
E-Compass	Yes

DISPLAY

Model	TFT colors, LED backlight
Resolution and Size	640 × 480 - 3.7"

CAMERA

Model	AF 5MP
Image Format	JPG (2048×1536)
Video Mode	QVGA Resolution - WMV

COMMUNICATION

Internal Modem	GSM/GPRS/EDGE: 850/900/1800/1900 MHz WCDMA/HSDPA: 800/850/900/1900/2100 MHz	
	Bluetooth device	2.1 + EDR
	Wi-Fi	IEEE 802.11 b/g

INPUT/OUTPUT

NMEA 0183 Support	Available
RTCM/CMR Support	RTCM 2.1, 2.3, 3.0, 3.1, CMR, CMR+, RTCA

POWER SUPPLY

Battery	Rechargeable and replaceable 11.1 V - 2500 mAh - lithium battery
Working Time	8 hours (normal use)

PHYSICAL SPECIFICATION

Dimensions	234 x 99 x 56 mm
Weight	895 gr (with battery)
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Waterproof/Dustproof	IP65
Shock Resistance	Designed to endure to a 1.2 m drop on concrete floor with no damage

STANDARD ACCESSORIES

Soft Bag, Charger Adapter, USB Cable, Rear Hand-strap, Battery, Stylus Pen with String, CD and Manual, Screen Protector

OPTIONAL ACCESSORIES

Carbon fiber pole, Telescopic pole, Backpack kit for external antenna, External Antenna L1-L2, External Antenna cable (1.6 m, 2 m, 5 m), Holder for pole, Carrying case

Illustrations, descriptions and technical specifications are not binding and may change

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