

S60G Tablet RTK GNSS

GIS and Survey
Applications



S60G

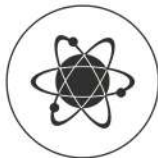
Tablet RTK GNSS

The S60G is a **modular GNSS solution** for efficient field data and photo collection in GIS and surveying applications. It combines the S60 tablet with an RTK GNSS module.

Once configured, the system supports **multi-constellation** tracking (GPS, GLONASS, Galileo, BeiDou) and triple-frequency operation (L1, L2, L3/L5), ensuring reliable positioning and high performance even in challenging environments.

Equipped with a **1408-channel GNSS board**, the S60G enables **precise RTK positioning** and raw data logging for post-processing. The integrated antenna provides accuracy of approximately 2 cm, while the optional SA85 external antenna allows sub-centimeter precision.

The S60G features **5G connectivity** and a rugged, high-performance design, validated by its IP68 rating and MIL-STD-810H certification.



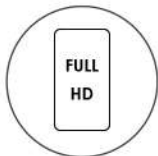
MULTI-CONSTELLATION SYSTEM

The S60G integrates a triple-frequency GNSS module with **1408 channels** and supports multiple satellite constellations: GPS, GLONASS, BEIDOU, GALILEO, QZSS, IRNSS.



ANDROID SYSTEM

The system is powered by the **Android 14** operating system, offering a simple and intuitive interface for field use.



HIGH QUALITY DISPLAY

The S60G tablet features a high-quality display designed to ensure **clear visibility** in outdoor environments.



RTK AND POST-PROCESSING

The S60G works in real time with **RTK corrections** and can simultaneously record raw data for post-processing.



RUGGED

Designed for field operations, the S60G tablet is built to withstand dust, dirt, and water, ensuring reliable performance in harsh environments, as demonstrated by its **IP68 rating** and **MIL-STD-810H certification**.





S60G for GIS and Survey applications

SCALABLE PRECISION

The S60G provides **centimeter-level accuracy in RTK mode** and supports versatile post-processing workflows to adapt to any project demand. By capturing raw GNSS data for office-based analysis, it ensures maximum precision and data integrity for high-stakes applications.

FULL OPERATING FUNCTIONALITY

The S60G operates in real-time mode using RTK corrections from GNSS permanent reference station networks. When paired with the **SR02 external radio** module, it can also receive RTK corrections from a GNSS base receiver via UHF radio.



Cube-a is Stonex's professional solution for surveying and GIS on the Android platform. It offers a simple and intuitive user interface, full touch gesture support, and multilingual capabilities. Its modular structure allows users to enable GNSS, total station, GIS, and 3D modeling features according to their needs. The GIS Module supports SHP, KML, and KMZ formats, including full attribute handling, database management, and field editing. It allows photo association, custom data forms, and automatic vector drawing to simplify workflows. With features like WMS layer visualization and a built-in Utility Locator for mapping underground assets, Cube-a ensures efficient, accurate, and fully connected GIS operations.

Cube-connector is an Android App developed by Stonex that allows the S60G RTK tablet to connect to the networks of permanent GNSS stations to receive real-time RTK corrections and to make them available to any third-party GIS or topographic software. In this way, the operator can use his own field software without the need to develop any GNSS management interface.



S60G TECHNICAL FEATURES

RECEIVER

Satellite signals tracked	GPS: L1 C/A, L1C, L2P, L2C, L5
	GLONASS: L1, L2
	BEIDOU: B1I, B2I, B3I, B1C, B2a, B2b
	GALILEO: E1, E5a, E5b, E6
	QZSS: L1, L2, L5
	IRNSS: L5
	SBAS
PPP	HAS, B2b PPP
Channels	1408
Position Rate	5Hz
Signal Reacquisition	< 1 s
RTK Signal Initialization	Typically < 10 s
Hot Start	Typically < 15 s
Initialization Reliability	> 99.9 %

POSITIONING¹

Static Survey with external Antenna SA85	1 cm
RTK Network ² with external Antenna SA85	1 cm
RTK Network ² with standard Antenna	2 cm
PPP accuracy	< 20 cm
SBAS accuracy	< 60 cm

SYSTEM

CPU	Qualcomm QCM4490 Octa-core Up to 2.4GHz
Operating System	Android 14
RAM	8GB
Flash Memory	128GB
External Storage	Micro SD Max: 2TB

DISPLAY

Screen Size	6.0" Full HD IPS
Resolution	1080 x 1920
Brightness	550 nits
Touch Panel	Multi-touch, support for glove and wet hands operation

CAMERA

Rear	8 MP
Front	32 MP

INTERNAL MODEM

GSM	GSM: 850/900/1800/1900 WCDMA (3G): B1/B2/B5/B8 4G LTE-TDD: B38/39/40/41 4G LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/ 20/25/26/28/48/66/71
	5G: FR1 N1/2/3/5/20/28/41/48/66/71/ 77/78/79
	Nano SIM card

INTERNAL SENSOR

Gyroscope	Yes
e-Compass	Yes
Accelerometer	Yes
Ambient light sensor	Yes

COMMUNICATION

I/O Connectors	USB 3.1 Type-C supports Power Delivery 2.0 (PD) charging up to 18W, OTG (On-The-Go) functionality, supports digital headset audio
Bluetooth	Version 5.2 with BLE (Bluetooth Low Energy) support
Wi-Fi	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6), dual-band (2.4GHz & 5GHz), 2x2 MIMO
NFC	Yes

POWER SUPPLY

Battery	Lithium-Ion, 3.8V, 8000mAh (30.4Wh)
Operating Time ³	Up to 15 Hours
Charge Time ³	4.5 hours

PHYSICAL SPECIFICATION

Dimensions	265 x 93 x 45 mm
Weight	450g
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Waterproof/Dustproof	IP68
Shock Resistance	1.20m to marble
Certification	MIL-STD-810H

STANDARD ACCESSORIES

GNSS RTK Module, GNSS Antenna, Charger & 4 adapters, Battery, Type-C cable

OPTIONAL ACCESSORIES

Pole, Pole bracket, SA85 GNSS Antenna, External Antenna cable

S60G is a combination of two product codes

50-550749	S60, Tablet, 6", 5G, Android
30-350864	S60, Add-on GNSS Module

1. Accuracy and reliability are generally subject to satellite geometry (DOPs), multipath, atmospheric conditions and obstructions. In static mode they are subject even to occupation times: the longer is the Baseline, the longer must be the occupation time.
2. Network RTK precision depends on the network performances and are referenced to the closest physical base station.
3. Battery life and charging time depend on the user's scenario. Time may vary based on factors such as screen brightness, apps, software, power management, battery condition, etc.

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



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