STONEX

S60G

Tablet

+

GNSS RTK Module

May 2026

S60G – What are the components of this product?

This product consists of the **S60 tablet**, which can be equipped with an **RTK GNSS module**. The two items have different codes, and to obtain the complete configuration, the customer must order them separately.

Model name: S60
Description: S60, Tablet, 6", 5G, Android
Product code: 50-550749

Model name: S60-G
Description: S60, Add-on GNSS Module
Product code: 30-350864

S60G – How to buy it?

What we refer to as S60G is a **combination of two product codes**; it is not a single product, as was the case with the previous S55G and S80G models.

To purchase it, the customer must order two separate items: the tablet and the RTK GNSS module.

The products are delivered in **two separate packages**, and the customer must install the RTK module onto the tablet.

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S60G – How to mount the GNSS RTK module on the S60 tablet?

Step 1 – Prepare
• S60 tablet + RTK GNSS module
• Identify: back clip, screws, GNSS module

Step 2 – Install back clip
• Align clip with tablet mounting points
• Press until it snaps into place
• Ensure correct positioning alignment

Step 3 – Secure fixing
• Tighten screws clockwise
• Confirm stable and firm attachment

Step 4 – Mount GNSS module
• Align connector and antenna interface
• Insert carefully onto back clip
• Rotate clockwise to lock in place

Step 5 – Final check
• Confirm secure locking
• Verify stable connection
• Device ready for RTK operation

⚠ Important
• Always install/remove with device powered off
• Do not overtighten the antenna/module

S60G – Add on GNSS module

Box contents:

- RTK GNSS module
- GNSS antenna
- Screwdriver
- Two screws

S60G – Main features

The S60G is a **high-performance GNSS solution** for field data and GIS applications. It supports multi-constellation tracking (GPS, GLONASS, Galileo, BeiDou) and triple-frequency operation (L1, L2, L3/L5), ensuring high accuracy, fast ambiguity resolution, and reliable performance in challenging environments.

With a **1408-channel GNSS board**, it enables stable satellite tracking and supports both RTK positioning and raw data logging for real-time and post-processed workflows. The integrated antenna provides RTK accuracy of approximately 2 cm, while the optional SA85 external antenna enables sub-centimeter precision (<1 cm).

The system receives RTK corrections via permanent reference station networks or, with the SR02 external radio, via UHF from a GNSS base receiver, and also **supports raw data recording** for post-processing.

S60G – Main features

MULTI-CONSTELLATION SYSTEM The integrated three-frequency GNSS chip with 1408 channels and can support multiple satellite constellations: GPS, GLONASS, BEIDOU, GALILEO, QZSS, IRNSS.

ANDROID SYSTEM The receiver is managed through the Android 14 operating system with a simple and intuitive interface.

HIGH QUALITY DISPLAY The high quality 6" display has a 1080 x 1920 pixels resolution and a brightness of 550 nits.

RTK AND POST PROCESSING S60G can work in real time with RTK corrections and simultaneously record the raw data for post processing.

RUGGED Thanks to its IP68 rating and MIL-STD-810H, the Stonex S60G can withstand dust, dirt, sand, and water immersions.

S60G - Technical Specification

System

Processor	Qualcomm QCM4490 Octa-core up to 2.4GHz
Operation System	Android 14
RAM	8GB
Flash Memory	128GB
External Storage	Micro SD Max 2TB

Internal Sensor

Accelerometer	Yes
E-Compass	Yes
Accelerometer	Yes
Light Sensor	Yes

S60G - Technical Specification

Display

Screen Size	6.0” Full HD IPS
Resolution	1080 x 1920
Brightness	550 nits

Camera

Rear	8 MP
Front	32 MP

S60G - Technical Specification

GSM Modem 5G

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

S60G - Technical Specification

Power Supply

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

*Battery life, charging and operating time depend on the user's scenario. Time may vary based on factors such as screen brightness, apps, software, power management, battery condition, etc.

S60G - Technical Specification

Physical Specification

Dimensions	265 × 93 × 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

S60G - Technical Specification

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

S60G - PPP HAS and B2b

The S60G, enabled by Cube-a integration, can operate without local RTK correction services.

The receiver supports Precise Point Positioning (PPP) using free satellite-broadcast correction services, including:

Galileo High Accuracy Service (HAS)
BeiDou PPP-B2b

By processing these corrections directly, the S60G achieves decimetric-level positioning accuracy without reliance on local base stations, NTRIP networks, or proprietary correction subscriptions.

S60G - External GNSS Antenna

The S60G system comes with an antenna that is directly connected to the tablet, providing an RTK precision of 2 cm.

However, the system also supports the use of an external antenna SA85, which can further enhance the precision of the collected data, allowing users to achieve even greater accuracy in their field work, approximately 1 cm.

S60G - External Radio

The S60G can operate in real-time mode, utilizing RTK corrections transmitted by a network of GNSS Permanent Stations.

The S60G, through the SR02 external radio, can also work in RTK by receiving corrections from a GNSS base receiver via the UHF radio.

S60G - Software

cube-a

Cube-a is Stonex' solution for professional surveying and GIS, which has been designed and developed for the Android platform. The software has several features that make it a popular choice for surveyors, including:

- ✓ **Simple and intuitive user interface**
- ✓ **Full support for touch gestures**
- ✓ **Multilingual support**
- ✓ **Modular application (GPS, TS, GIS, 3D)**

S60G - Software

cube-a GPS TS GIS 3D

GIS (Geographic Information System) functionalities are well integrated into the workflow of standard GPS surveying. Cube-a can collect not only single points but also automatically draw vectors passing through the collected points, making GIS surveying fast and easy.

The request to fill in the GIS data is automatic and follows the point or vector acquisition. Data forms can be freely defined using the integrated Feature Set designer or automatically created by Cube-a starting from a sample DBF file.

Import and export of standard shapefiles ensures the compatibility and interoperability of Cube-a with virtually any other GIS software.

To enable the GIS module, the GPS module must be enabled as well.

S60G - Software

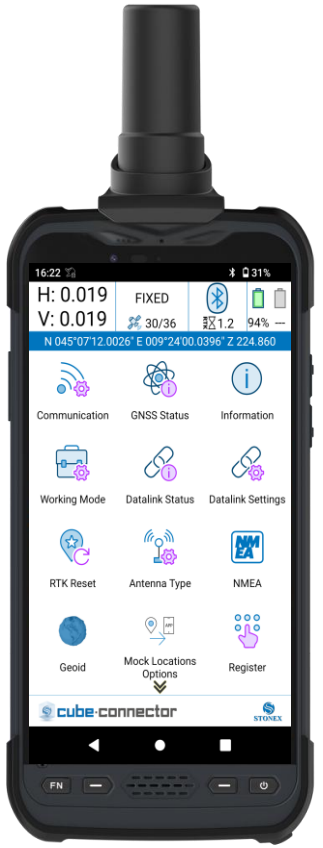
cube·connector

The Cube-connector is an Android app developed to connect Android devices to Stonex GNSS receivers.

In order to connect to the GNSS, the Android device must be paired with the GNSS by Bluetooth. Once the Bluetooth connection has been established, Cube-connector will replace the GNSS readings from the internal device with the ones from the Stonex GNSS receiver.

With the Stonex S60G, **any customer can easily use their software for GIS/Survey in the Android operating system through Cube-connector**.

The application manages all settings and configurations with integrated precision GNSS and makes the correct coordinates available for third-party software.



S60G - Product pictures

S60G - Brochure

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 %

POSITIONING[1]

Static Survey with external Antenna SA85	1 cm
RTK Network* with external Antenna SA85	1 cm
RTK Network* 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
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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), 2×2 MIMO
NFC	Yes

POWER SUPPLY

Battery	Lithium-Ion, 3.8V, 8000mAh (30.4Wh)
Operating Time[3]	Up to 15 Hours
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PHYSICAL SPECIFICATION

Dimensions	265 × 93 × 45 mm
Weight	450g
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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 (DOP), 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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STONEX

S60G Tablet RTK GNSS

GIS and Survey Applications

cube suite

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.

STONEX SURVEYING SYSTEMS

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 cube·connector

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 – Standard Configuration

PRODUCT CODE	DESCRIPTION
50-550749	**S60, Tablet, 6", 5G, Android**
	Battery
	Charger with international plug adapters (US, AU, EU, UK)
	Handstrap
	TypeC cable
	Cube-connector
30-350864	**S60, Add-on GNSS Module**

S60G – Optional

PRODUCT CODE	DESCRIPTION
40-450941	Software Stonex Cube-a GPS v7.x
40-450942	Software Stonex Cube-a GIS v7.x
30-350391	S60/UT12P Bracket
30-350322	S60/UT12P AC Adapter
30-350274	S60/UT12P Standard Battery
30-350416	S60/UT12P Handstrap
30-350089	SB-100, Soft bag for GNSS and controller
30-357138	SA85 GNSS Geodetic Antenna
30-350353	S80G Antenna Cable for SA85
30-350601	Carbon fiber pole, 2m, 2 sections with holes for antenna cable
B45-460217	SR02, UHF 2W
30-350412	SR02, Bracket for pole

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