STONEX

GIS

GIS PRODUCTS
2019

www.stonex.it

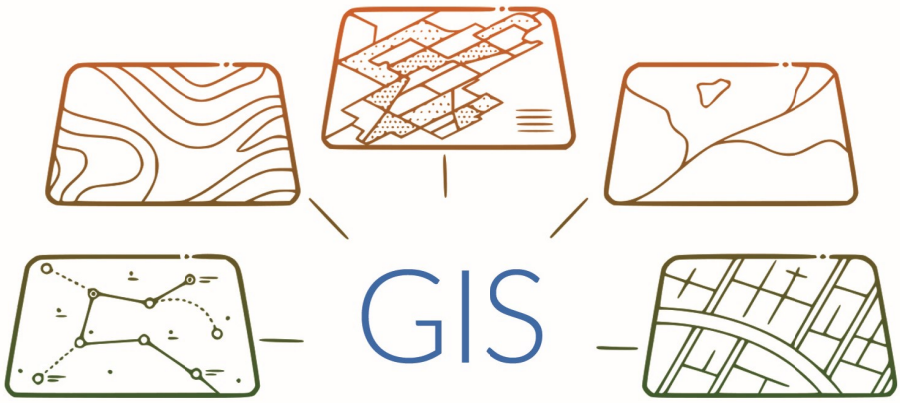
GIS Systems

For surveying and collecting precision data

Stonex systems represent a concrete response to the needs of professionals operating in the field, providing them with precision GNSS receivers and field software applications, able to manage all the aspects of the survey in a simple and quick way. Compactness, ease of use and metric and centimeter precision in real time, characterize the Stonex solutions for the GIS sector.

Advantages of GIS systems

- Working with any reference system, including the cadastral system and the use of IGM gratings.
- Navigate using raster, vector and real-time maps on Google Maps.
- Detecting points, lines, areas, paths associating custom attributes and photographs.
- Stake out the detected elements with precision, even in the most difficult environmental conditions.
- Send the survey from the field to the office via internet connection.
- Internet connection to GPS networks to receive differential corrections in real time in order to increase the accuracy of the survey.



Solutions and Applications for every need

GNSS Receivers

Practical solutions for every type of survey

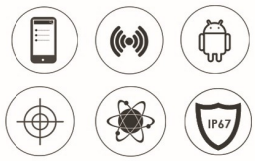
Stonex offers a complete range of GNSS receivers to meet every work requirement. Stonex GNSS receivers combine the most advanced positioning technology with a compact and robust design, ideal for field work even in the most difficult environmental conditions.
Designed for survey professionals, the range of Stonex GNSS receiver offers the possibility to choose the best solution for your needs.

Precision GIS Survey

S500

Compared to traditional GPS, the Stonex S500 GNSS receiver stands out for its compact design and the possibility of being used as a precision GNSS receiver by all GIS applications running on Android, Windows 10 and Windows Mobile mobile devices.

Stonex S500 uses a fast Position Rate, which also allows it to be used even on moving vehicles.
Stonex S500 tracks GPS, GLONASS, BEIDOU, GALILEO, SBAS constellations and is able to receive RTK real-time differential corrections to achieve centimetric precision positioning. Conforming to IP67, S500 has a non-slip rubber protection that makes it resistant to shocks and falls.
S500 is an extremely versatile device that also allows you to work hands-free thanks to the use of belt and arm supports.



From GIS to Topography

S800

For professionals who need maximum precision surveys both in GIS and Topographic environments, Stonex S800 Series topographic GNSS receivers are the optimal solution. Equipped with an advanced dual frequency GNSS board, capable of tracking all constellations (GPS, GLONASS, BEIDOU, GALILEO, SBAS), the S800 Series GNSS receivers are the ideal solution for any survey with a 1cm accuracy. Compliant with IP67, the S800 Series is able to operate in the most difficult environmental conditions.
The S800 Series receivers have a web-ui interface for simple management, a 6800 mAh battery and an internal UHF radio modem. They are also equipped with Wi-Fi and Bluetooth.
The S800A is equipped with the aRTK function and the Atlas® positioning correction service.

S800A

Office Software

cube·manager

Cube-manager has been developed to work on desktop computers with Microsoft Windows operating system and implements the tools to download, manage and process the data acquired in the field.
Cube-link is the free Lite version of Cube-manager. It can be used in the office on Windows computers to download, manage and export in the SHAPE, DXF/DWG, KMZ/L, TXT, PREGEO formats the data collected in the field.
Cube-manager is composed of 3 main modules (P, T, M), each specialized in a series of functions.
Cube-manager-p is the GNSS raw data post-processing module; it is necessary when you cannot operate in RTK mode in the field due to the absence of the mobile telephony signal. Cube-manager-p allows the correction of data with topographic quality.

Android Solutions

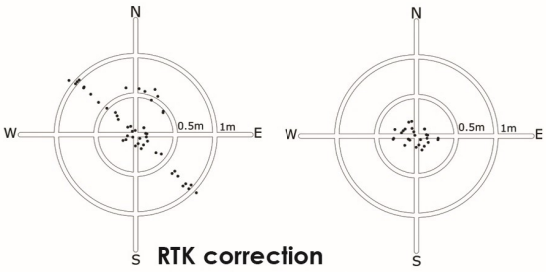
PDA and Rugged GNSS Controller

Stonex offers a series of Android mobile devices to meet every need.
Stonex's Android controllers can be used in both GIS and Topographic surveys, suitable for all those who need powerful but also flexible and customizable tools.
Our controllers together with our Android Cube-a software are modern management tools and allow you to work with maximum productivity.

S40

The Stonex S40 GNSS handheld receiver, single frequency, is the ideal tool for fast GIS survey with sub-meter precision. The bright 4.3 "display, the resistance to water, dust and shocks (IP67) make it suitable to operate even in the most difficult environmental conditions.
Equipped with a powerful Quad Core processor, an 8 MPixel camera, a GSM modem and Wi-Fi and Bluetooth technologies, S40 allows maximum flexibility and productivity for the GIS survey.

S40 is fully compatible with RTCM2.X differential correction protocols emitted by CORS and GPS Network stations, as well as differential correction from geostationary satellite systems.
The RTK or post processing positioning accuracy can reach an accuracy up to 0.5 m.



RTK correction
Left: Position without RTK correction
Right: Position with RTK correction

UT10

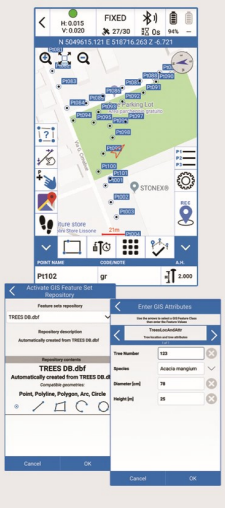
UT30

UT10 and UT30 are reliable and high performance Rugged Controllers.
These Android mobile devices are ideal for managing the survey in the field. Resistant to water, dust and shocks (IP67) they are suitable for operating even in the most difficult environmental conditions.
UT10 and UT30 are equipped with Wi-Fi, Bluetooth, NFC, GSM modem and GNSS receiver technologies.

Android Field Software

Cube-a is a software, developed by Stonex for Android mobile devices, to manage the survey and data collection in the field.
Thanks to the flexibility of the Android environment, we have created a simple and intuitive user interface to manage all aspects of the survey:
- Work with any reference system, including the cadastral system and the use of IGM gratings
- Navigate using raster, vector and real-time maps on Google Maps
- Detecting points, lines, areas, paths associating custom attributes and photographs
- Precisely stake out the detected elements, even in the most difficult environmental conditions
- Send the survey from the field to the office via internet connection
- Internet connection to GPS networks to receive differential corrections in real time in order to increase the accuracy of the survey
- Store data in Cube-a, SHAPE, DXF, ASCII, PREGEO formats.

Cube-a supports the Shape format allowing the management, storage and interchange of data with GIS office applications.



Windows Solutions

PDA and Rugged GNSS Controller

Our PDA and controllers are practical, reliable and able to combine modern positioning technology with the versatility of a powerful mobile device.
Resistant to water, shock and dust (IP67) are the ideal tools for data collection even in the most difficult environments. Equipped with the Windows system they allow the use of different softwares including Stonex GeoGis Software.

S7G

GNSS PDA receivers S7G and S4H II are able to combine the modern positioning technology and the versatility of a powerful handheld.
Equipped with Windows Mobile OS they are ideal for surveying geographic data with databases and photographs for GIS applications.
The S7G receiver, double frequency, has a centimetric precision. The single frequency S4H II receiver has a metric accuracy.
S7G and S4H II are compact, ergonomic and light, ideal for working all day with maximum productivity.

Resistant to water, dust and shocks (IP67 standard) these Stonex GNSS handhelds are ideal instruments to operate even in the most difficult environmental conditions.
The S7G and S4H II receivers use Stonex GeoGis field software.

S4H II

UT20

UT50

UT20 and UT50 are reliable and high performance Tablet Rugged. Windows 10 mobile devices are ideal for managing software applications for field survey and data collection. Resistant to water, dust and shocks (IP67) they are suitable for operating even in the most difficult environmental conditions.
UT20 and UT50 are equipped with Wi-Fi, Bluetooth, NFC, GSM modem and GNSS receiver technologies.

Windows Field Software

GeoGis

GeoGis allows the GIS/Topographic survey and the collection of geographical information with databases and photographs for the precision GIS survey.
Developed by Stonex for Windows Mobile and Windows 10 OS, GeoGis allows you to quickly and intuitively manage all aspects of the survey:

- Work with any reference system, including the cadastral system and the use of IGM gratings
- Navigate using raster, vector and real-time maps on Google Maps
- Detecting points, lines, areas, paths associating custom attributes and photographs
- Precisely stake out the detected elements, even in the most difficult environmental conditions
- Send the survey from the camp to the office via internet connection
- Internet connection to GPS networks to receive differential corrections in real time in order to increase the accuracy of the survey
- Store data in GeoGis, SHAPE, DXF, ASCII, PREGEO formats.

STONEX

Headquartered on the outskirts of Milan, Italy, STONEX is one of the world leader company on measurement and survey, with over 80 qualified distributors worldwide.

Joined together with an unbeatable professional expertise Stonex offers a wide range of top quality services, to satisfy all pre-sales and post-sales needs.

Stonex is a part of Beijing UniStrong Science & Technology Co. Ltd, global provider of GNSS, positioning and timing technology for the geospatial market.

Thanks to the integration of different positioning technologies and software the wide range of solutions allows to meet the needs of many fields of application and industries, such as:

- Building and construction
- Land survey and cadastral survey
- GIS data collection
- 3D Scanning
- Agriculture and smart farming
- Land and structure monitoring

STONEX®
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