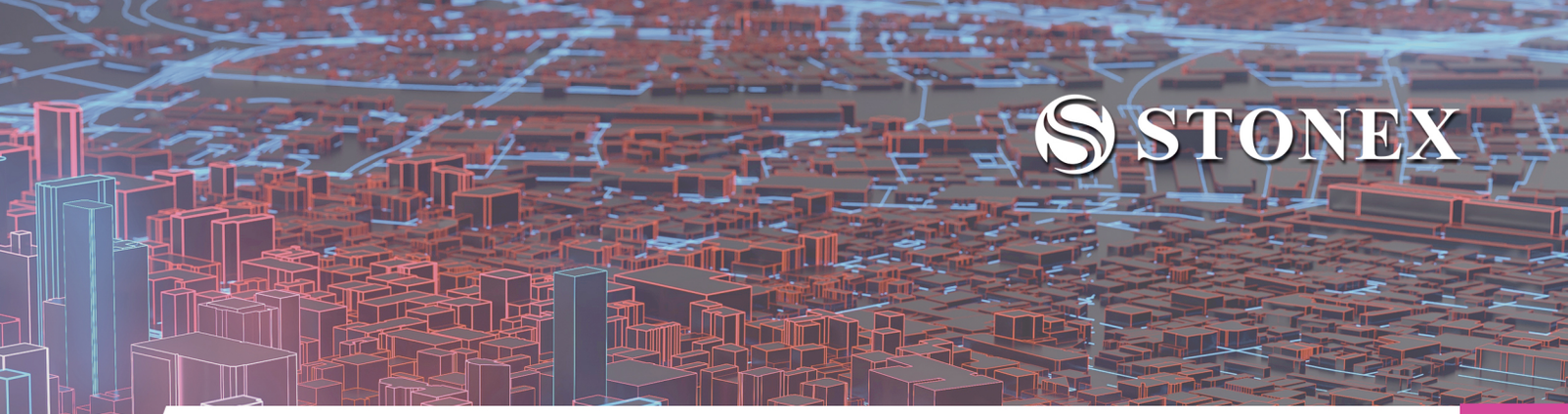

LASER SCANNING SOLUTIONS

TABLET HOLDER

You can use your tablet docket to X120^{GO} to have one hand free while surveying. The tablet mounted on the back of the scanner allows you to always have eyes-on scan real time preview.

PHYSICAL SPECIFICATIONS	
Min Width	1,75" (4,44 cm)
Max Width	4,5" (11,43 cm)

RTK120^{GO}

RECEIVER	
Satellite Signals Tracked	GPS L1, L2 GLONASS L1, L2 GALILEO E1, E5b BDS B1, B2
Single Point Positioning (RMS)	Horizontal: 1.5 m Vertical: 3.0 m
DGPS (RMS)	Horizontal: 0.4 m Vertical: 0.8 m
RTK (RMS)	Horizontal: 1 cm + 1 ppm Vertical: 1.5 cm + 1 ppm
Data Update Rate	20Hz
Time Accuracy	20ns
Speed Accuracy (RMS)	0.03 m/s

INTERNAL MODEM	
Network	LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 GSM: 900/1800MHz

SYSTEM	
Storage	Micro SD
Communication	Bluetooth

PHYSICAL SPECIFICATION	
RTK120^{GO} Weight	1.8 Kg
Size	196 mm × 80 mm × 39 mm
Operating Temperature	-20° C to +50° C (-4° F to 122° F)
Storage Temperature	-20° C to +55° C (-4° F to 131° F)
Waterproof/Dustproof	IP54

ANTENNA	
Size	27.5 mm × 56 mm
Weight	15.3 g
Optional	SA85 for backpack

POWER SUPPLY	
Type-C USB	20V
Aviation socket	12V-20V

There are several reasons why the RTK module is worth using. First, it places your point cloud in a global coordinate system, but it can also be useful in large surveys to improve the composition of the final 3D model. Indeed, RTK module can help the system, adding GNSS info to LIDAR and IMU.
If the GPS does not have a satellite connection, such as indoors, the system will rely on LIDAR and IMU to locate itself.