

# RTK-GB10

## Industrial Use RTK Sharer



LOCOSYS RTK-GB10 is the perfect solution for your high-precision positioning and navigation needs. Based on the multi-constellation, multi-frequency ( L1/L2/L5).

A satellite positioning receiver capable of RTK (Real Time Kinematic) takes in the normal signals from the Global Navigation Satellite Systems (GNSS) along with a separate correction data stream to achieve improved positional accuracy.

RTK-GB10 supports 1408 super channels and has built in an adaptive anti-jamming technology  
The positioning accuracy for RTK (RMS) is Horizontal : 0.8 cm + 1ppm and Vertical : 1.5 cm + 1ppm.



RTK Positioning



RTK Base station



Bluetooth Low Energy



Global 4G-LTE



Fanless Box

## Application

RTK-GB10 is well-suited for high-precision surveying-grade applications, including surveying and mapping, precision agriculture, and deformation monitoring.

The solution is a perfect choice for demanding high-precision navigation and positioning use-cases like precision agriculture, unmanned aerial vehicles (UAV) and robotic lawn mowers.



Agriculture



Unmanned Aerial Vehicles (UAV)



Robotic Lawn Mowers



Surveying

## Features

- Integrates RF, baseband and high precision algorithm
- All-constellation multi-frequency RTK engine and advanced RTK technology
- Best-in-class reliable and scalable position accuracy
- Update rate : 1 Hz (Max : 50 Hz)
- 1408 super channels for simultaneous tracking of all visible supported satellite signals



## Constellation

GPS :	L1C/A, L1C, L2C, L2P(Y), L5
GLONASS :	G1, G2, G3
Beidou :	B1I, B2I, B3I, B1C, B2a, B2b
Galileo :	E1, E5a, E5b, E6
QZSS :	L1C/A, L1C, L2C, L5
NavIC :	L5
SBAS :	L1C/A

## Additional Information

Dimensions (L,W,H)	227 x 118 x 35 mm
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## Configuration List

Mobile Network	GSM / 3G / 4G-LTE
BluetoothLE	5.0
Battery	2500 mAh

## Include

- RTK-GB10
- L1 / L2 / L5 GNSS Surveying Antenna
- Reinforced TNC-SMA Cable
- SMA 4G-LTE
- USB-C Cable (A to C )
- Quick Start Guide