

## RTK Rover Click



PID: MIKROE-5440

**RTK Rover Click** is a compact add-on board that enhances the precision of position data derived from compatible RTK Base Stations. This board features [Quectel's LG69TAMMD](#), a dual-band multi-constellation GNSS module featuring a high-performance and high-reliability positioning engine. This module facilitates a fast and precise GNSS positioning capability for centimeter-level accuracy, featuring STMicroelectronics®' fifth generation positioning receiver platform with 80 tracking and four fast acquisition channels. It supports up to three concurrent global constellations (GPS/QZSS, Galileo, and BDS) alongside NMEA 0183/RTCM 3.x protocol and commonly used UART interface. This Click board™ is suitable for a broad spectrum of PVT (Position, Velocity, and Time) applications such as drones, delivery robots, precision agriculture, mining/marine management, and automotive telematics.

RTK Rover Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
ISO 14001: 2015 certification of environmental management system.  
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	GPS/GNSS
Applications	Can be used for PVT (Position, Velocity, and Time) applications such as drones, delivery robots, precision agriculture, mining/marine management, and automotive telematics
On-board modules	LG69TAMMD - multi-constellation GNSS module from Quectel Wireless Solutions
Key Features	Dual band, centimeter-level accuracy, 80 tracking channels and 4 fast acquisition channels, high-performance, high-reliability, supports up to 3 concurrent global constellations (GPS/QZSS, Galileo, and BDS), NMEA 0183/RTCM 3.x protocol, UART and USB interface, PPS indicator, and more
Interface	UART,USB
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[YB0017AA datasheet](#)

[RTK Rover click schematic](#)

[RTK Rover click 2D and 3D files](#)

[LG69T datasheet](#)

[RTK Rover click example on Libstock](#)

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