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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 dualband 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 <u>Click board™</u> 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.







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Specifications

Туре	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

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

Downloads

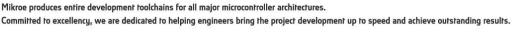
YB0017AA datasheet

RTK Rover click schematic

RTK Rover click 2D and 3D files

LG69T datasheet

RTK Rover click example on Libstock







health and safety management system.