

GNSS 13 Click



PID: MIKROE-5580

GNSS 13 Click is a compact add-on board that provides positioning, navigation, and timing services. This board features the LG77LICMD, a global-region standard-precision GNSS module from Quectel Wireless Solutions. This module utilizes concurrent reception of up to three GNSS systems (GPS, GLONASS (or BeiDou), and Galileo), maximizing position availability, especially under challenging conditions such as deep urban canyons. By combining EASY™ (Embedded Assist System), an advanced AGNSS feature, with GLP (GNSS Low Power), a low-power mode, the LG77LICMD module achieves high performance, low power consumption, and fully meets industrial standards. It also has a configurable host interface, anti-jamming technology, and a multi-tone active interference canceller. This Click board™ is ideal for industrial and consumer applications such as asset trackers without compromising GNSS performance.

GNSS 13 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 industrial and consumer applications such as asset trackers without compromising GNSS performance
On-board modules	LG77LICMD - multi-constellation GNSS module from Quectel Wireless Solutions
Key Features	Low power consumption, multi-GNSS engine, supports anti-jamming technology and a multi-tone active interference canceller, UART and I2C interfaces, high performance, fully meets the industrial standards, reduces the time to a first fix, improves the positioning accuracy, and more
Interface	I2C,UART
ClickID	Yes
Compatibility	mikroBUS™
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

Downloads

[GNSS 13 click example on Libstock](#)

[GNSS 13 click 2D and 3D files](#)

[TLV700 datasheet](#)

[LG77L datasheet](#)

[NVT2008 datasheet](#)

[GNSS 13 click schematic](#)

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