

GNSS 14 Click



PID: MIKROE-5995

GNSS 14 Click is a compact add-on board that provides fast positioning capability to your application. This board features the [MIA-M10Q](#), a standard precision GNSS module from [u-blox](#). It has an exceptional sensitivity and acquisition time for all L1 GNSS signals, attributed to its integrated M10 standard precision low-power platform. The M10 platform supports concurrent reception of four GNSS (GPS, GLONASS, Galileo, and BeiDou). The high number of visible satellites enables the receiver to select the best signals. This maximizes position availability, particularly under challenging conditions like deep urban canyons. This Click board™ makes the perfect solution for the development of both acquisition and tracking devices and represents an ideal product for automotive, consumer, and industrial tracking applications.

GNSS 14 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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 the development of both acquisition and tracking devices and represents an ideal product for automotive, consumer, and industrial tracking applications
On-board modules	MIA-M10Q - standard precision GNSS module from u-blox
Key Features	Standard precision GNSS, supports GPS, GLONASS, Galileo, and BeiDou, four maximal concurrent GNSS, supports UART, and I2C interfaces, backup battery option, very low power consumption, high sensitivity, and more
Interface	I2C,UART
ClickID	Yes
Compatibility	mikroBUS™
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

[ClickID](#)

Downloads

[GNSS 14 Click schematic](#)

[GNSS 14 click 2D and 3D files](#)

[MIA-M10Q-00B datasheet](#)

[GNSS 14 click example on Libstock](#)

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