

## Nano GPS 3 Click



PID: MIKROE-5782

**Nano GPS 3 Click** is a compact add-on board that provides fast positioning capabilities. This board features the [ORG1511](#), a GPS/GNSS module with an integrated antenna from [OriginGPS](#). It is a miniature, multi-channel GPS, GLONASS, Galileo, SBAS, and QZSS overlay system receiver that continuously tracks all satellites in view, providing real-time positioning data in industry-standard NMEA format. The module introduces the industry's lowest energy per fix ratio, unparalleled accuracy, and extremely fast fixes even under challenging

Nano GPS 3 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 the development of size-constrained devices with GPS functionality
On-board modules	ORG1511 - GPS/GNSS module with an integrated antenna from OriginGPS
Key Features	Multi-GNSS engine for GPS, GLONASS, Galileo, SBAS, and QZSS, built-in dual-stage LNA for better sensitivity, high accuracy, high performance, low power consumption, backup battery support, anti-jamming, onboard patch antenna, NEMA commands over UART or I2C interfaces, 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™](#)

## Downloads

[Nano GPS 3 click example on Libstock](#)

[Nano GPS 3 click schematic](#)

[Nano GPS 3 click 2D and 3D files](#)

[AP7331 datasheet](#)

[ORG1511-MK05 datasheet](#)

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