

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.

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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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