

Nano GPS 2 Click



PID: MIKROE-4150

Nano GPS 2 Click features the smallest GPS module with an integrated patch antenna, the [ORG1510-MK05](#) a module from [OriginGPS](#). It's the world's smallest multi-constellation antenna module enabling high-performance in a variety of applications. Multi Micro Hornet ORG1510-MK05 module is introducing the industry's lowest energy per fix ratio, unparalleled accuracy, and extremely fast fixes even under challenging signal conditions, such as in built-up urban areas, dense foliage or even indoor.

Despite its size, Nano GPS 2 Click offers superior sensitivity and outstanding performance, with time to first fix (TTFF) of less than 1 second, high accuracy of less than 2.5m, and tracking sensitivity down to -165dBm.

Nano GPS 2 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 a rapid development and testing of various applications based on asset tracking, road navigation devices, public transport, wearable devices, etc.
On-board modules	Nano GPS 2 Click uses the Multi Micro Hornet ORG1510-MK05 module
Key Features	Superior sensitivity and outstanding performance, with time to first fix (TTFF) of less than 1 second, high accuracy of less than 2.5m, and tracking sensitivity down to -165dBm
Interface	GPIO,UART
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

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

[ORG1510-MK05 datasheet](#)

[Nano GPS 2 click example on Libstock](#)

[Nano GPS 2 click schematic](#)

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