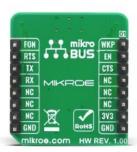MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
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Nano GPS 2 Click

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.

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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