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GNSS MAX Click

PID: MIKROE-4643

GNSS MAX Click is a compact add-on board that provides fast positioning capability. This board features the MAX-M10S, an ultra-low-power GNSS receiver for high-performance asset-tracking from u-blox. The MAX-M10S supports the concurrent reception of four GNSS (GPS, GLONASS, Galileo, and BeiDou), which maximizes the position availability, particularly under challenging conditions such as in deep urban canyons. It is built on the u-blox M10 GNSS platform, which provides exceptional sensitivity and acquisition times for all L1 GNSS systems. It also comes with a configurable host interface, and advanced jamming and spoofing detection. This Click board™ is ideal for professional (industrial and consumer) applications such as asset trackers without compromising GNSS performance.

GNSS MAX 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.

Specifications

Type	GPS/GNSS
Applications	Can be used for professional (industrial and consumer) applications such as asset trackers
On-board modules	MAX-M10S - standard precision GNSS module from u-blox
Key Features	Low power consumption, maximum position availability with concurrent reception of 4 GNSS, proven excellent performance, advanced jamming and spoofing detection, selectable interface, and more
Interface	I2C,UART
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

GNSS MAX click 2D and 3D files

MAX-M10S datasheet

GNSS MAX click schematic

GNSS MAX click example on Libstock