

GNSS 6 Click



PID: MIKROE-5638

GNSS 6 Click is a compact add-on board that provides fast positioning capabilities. This board features the [Teseo-L1V3FL](#), a tiny low-power GNSS module from [STMicroelectronics](#). It is an easy-to-use global navigation satellite system that embeds the Teseo III single-die standalone positioning receiver, which can work simultaneously on multiple constellations (GPS, Galileo, Glonass, BeiDou, and QZSS). It provides proven accuracy and robustness of the Teseo ICs and comes with embedded firmware that saves development time. This Click board™ makes the perfect solution for the development of both acquisition and tracking devices and represents an ideal product for automotive, consumer, and industrial tracking applications.

GNSS 6 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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 both acquisition and tracking devices and represents an ideal product for automotive, consumer, and industrial tracking applications
On-board modules	Teseo-LIV3FL - tiny low-power GNSS module from STMicroelectronics.
Key Features	Simultaneous multi-constellation supports GPS, Galileo, Glonass, BeiDou, QZSS, high CEP position accuracy excellent tracking sensitivity, embedded flash for data logging and FW upgrade, free FW configuration, and more
Interface	I2C,UART
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

Downloads

[MAX40200 datasheet](#)

[GNSS 6 click example on Libstock](#)

[Teseo LIV3FL datasheet](#)

[TPS22943 datasheet](#)

[BGA824N6 datasheet](#)

[GNSS 6 click 2D and 3D files](#)

[GNSS 6 click schematic](#)

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