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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-LIV3FL, 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.

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™

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