

Accel 28 Click



PID: MIKROE-5737

Accel 28 Click is a compact add-on board that contains an acceleration sensor. This board features the [LIS2HH12TR](#), an ultra-low-power high-performance three-axis accelerometer from [STMicroelectronics](#). It allows selectable full-scale acceleration measurements in ranges of $\pm 2g$, $\pm 4g$, and $\pm 8g$ in three axes with a configurable host interface that supports both SPI and I2C serial communication. It has an integrated FIFO buffer that allows users to store data to limit the intervention by the host microcontroller. This Click board™ makes the perfect solution for various applications such as motion-activated functions and user interfaces, tap-double-tap recognition, free-fall detection, tracking, and many more.

Accel 28 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	Motion
Applications	Can be used for various applications such as motion-activated functions and user interfaces, tap-double-tap recognition, free-fall detection, tracking, and many more
On-board modules	LIS2HH12TR - ultra-low-power high-performance three-axis accelerometer from STMicroelectronics
Key Features	Low power consumption, high performance and resolution, high reliability, FIFO storage, integrated interrupt features, selectable serial interface, embedded temperature sensor, embedded self-test, and more
Interface	I2C,SPI
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

[Accel 28 click 2D and 3D files](#)
[LIS2HH12 datasheet](#)
[Accel 28 click example on Libstock](#)
[Accel 28 click schematic](#)

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