

Accel 22 Click



PID: MIKROE-4896

Accel 22 Click is a compact add-on board that contains an acceleration sensor. This board features the ADXL367, an ultra-low-power, high-performance three-axis accelerometer from Analog Devices. The ADXL367 allows selectable full-scale acceleration measurements in ranges of $\pm 2g$, $\pm 4g$, and $\pm 8g$ in three axes, with a resolution of 0.25 mg/LSB on the $\pm 2g$ range, alongside a configurable host interface that supports both SPI and I2C serial communication. This device combines a 3-axis MEMS accelerometer, a temperature sensor, and a 14-bit analog-to-digital converter (ADC) to synchronize an external analog signal conversion. This Click board™ is suitable for various applications such as motion-activated functions and user interfaces and many asset monitoring functions in a wide range of industrial applications.

Accel 22 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 and many asset monitoring functions in a wide range of industrial applications
On-board modules	ADXL367 - three-axis MEMS accelerometer from Analog Devices
Key Features	Low power consumption, high-performance, high resolution, single/double tap detection, adjustable threshold sleep/wake-up modes for motion activation, configurable interrupts, integrated temperature sensor, external analog signal connection, and more
Interface	I2C,SPI
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

[Accel 22 click example on Libstock](#)

[ADXL367 datasheet](#)

[Accel 22 click schematic](#)

[Accel 22 click 2D and 3D files](#)

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