

Accel 27 Click



PID: MIKROE-5528

Accel 27 Click is a compact add-on board that contains an acceleration sensor. This board features the ADXL373, a three-axis MEMS $\pm 400g$ accelerometer from Analog Devices. In addition to its ultra-low power consumption, the ADXL373 enables impact detection while providing system-level power reduction. It offers 12-bit output data at 200mg/LSB scale factor with a configurable host interface that supports SPI and I2C serial communication. This Click board™ is suitable for multiple applications such as motion-activated functions, impact, and shock detection, medical IoT applications that require ultra-low-power Wake-Up on the motion, and more.

Accel 27 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 motion-activated functions, impact, and shock detection, medical IoT applications, and more
On-board modules	ADXL373 - three-axis MEMS accelerometer from Analog Devices
Key Features	±400g measurement range, user selectable bandwidth with 4-pole antialiasing filter, selectable oversampling ratio, low power consumption, built-in features for system power savings, selectable interface, event monitoring, and more
Interface	I2C,SPI
ClickID	Yes
Compatibility	mikroBUS
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

Downloads

[Accel 27 click example on Libstock](#)

[ADXL373 datasheet](#)

[Accel 27 click 2D and 3D files](#)

[Accel 27 click schematic](#)

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