MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
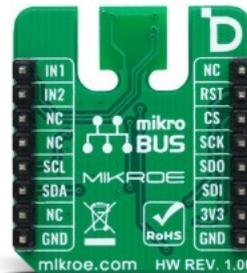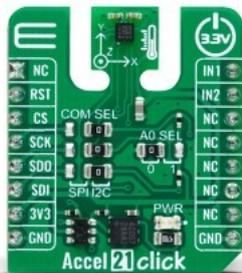Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
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Accel 21 Click

PID: MIKROE-5530

Accel 21 Click is a compact add-on board that contains an acceleration sensor. This board features the MIS2DH, a high-performance three-axis accelerometer from STMicroelectronics. The MIS2DH allows selectable full-scale acceleration measurements in ranges of ±2g, ±4g, ±8g, or ±16g in three axes with a configurable host interface that supports both SPI and I2C serial communication. It also supports high-resolution and low-power operating modes, allowing maximum flexibility to meet various use case needs. This Click board™ is suitable for multiple applications such as motion-activated functions, posture and free-fall detection, and many more.

Accel 21 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.

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Specifications

Type	Motion
Applications	Can be used for multiple applications such as motion-activated functions, posture and free-fall detection, and more
On-board modules	MIS2DH - digital triaxial acceleration sensor from STMicroelectronics
Key Features	High performance, MEMS sensor with on-chip signal processing, low power consumption, programmable interrupts, selectable interface, 6D/4D orientation detection, motion and free-fall detection, 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 21 click 2D and 3D files

MIS2DH datasheet

Accel 21 click schematic

Accel 21 click example on Libstock