

## MUX 5 Click



PID: MIKROE-5423

**MUX 5 Click** is a compact add-on board that contains a precise multiplexing solution. This board features the MAX14661, a serially controlled, dual-channel analog multiplexer from Analog Devices, allowing any of the 16 pins to be connected to either common pin simultaneously in any combination. The MAX14661 features Beyond-the-Rails™ capability that allows  $\pm 5.5V$  signals to be passed with any supply configuration alongside a configurable host interface that supports SPI and I2C serial communications. Both modes provide individual control of each independent switch so that any combination of switches can be applied. This Click board™ is designed to support various multiplexing applications like system diagnostics, data acquisition, signal switching, and many more.

MUX 5 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	DAC
Applications	Can be used for various multiplexing applications like system diagnostics, data acquisition, signal switching, and many more
On-board modules	MAX14661 - analog multiplexer from Analog Devices
Key Features	Serially controlled, dual-channel, Beyond-the-Rails capability, selectable interface, low power consumption, high performance, flexible multiplexing, programmable shadow registers allow simultaneous updating, and more
Interface	I2C,SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[MUX 5 click example on Libstock](#)

[MUX 5 click 2D and 3D files](#)

[MAX14661 datasheet](#)

[MUX 5 click schematic](#)

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