

ADC 23 Click



PID: MIKROE-5861

ADC 23 Click is a compact add-on board that converts an analog voltage into a digital representation. This board features the ADS127L11, a wide-bandwidth 24-bit delta-sigma analog-to-digital converter from [Texas Instruments](https://www.ti.com). It is capable of data rates up to 400ksps using a wideband filter and up to 1067ksps using a low-latency filter. It also offers an excellent combination of AC performance and DC precision with low power consumption. This Click board™ makes the perfect solution for the development of data acquisition (DAQ) measurement devices, shock and vibration instruments, condition monitoring, sonars, electroencephalograms, power quality analyzers, and more.

ADC 23 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	ADC
Applications	Can be used for the development of data acquisition (DAQ) measurement devices, shock and vibration instruments, condition monitoring, sonars, electroencephalograms, power quality analyzers, and more
On-board modules	ADS127L11 - wide-bandwidth 24-bit delta-sigma analog-to-digital converter from Texas Instruments
Key Features	Programmable data rate, selectable digital filter (wideband and low-latency filters), power-scalable architecture, input and reference pre-charge buffers, internal or external clock, and more
Interface	SPI
ClickID	Yes
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

[ADC 23 click schematic](#)

[ADC 23 click 2D and 3D files](#)

[ADS127L11 datasheet](#)

[ADC 23 click example on Libstock](#)

[ADR4525 datasheet](#)

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