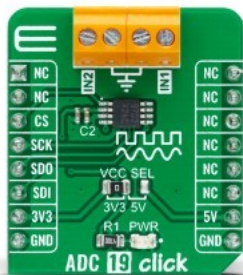


## ADC 19 Click



PID: MIKROE-4997

**ADC 19 Click** is a compact add-on board that contains a high-performance data converter. This board features the ADC122S101, a low-power two-channel CMOS 12-bit analog-to-digital converter from Texas Instruments. This SPI configurable analog-to-digital converter (ADC) is fully specified over a sample rate range of 500ksps to 1Msps, offering high reliability and performance. The converter is based on a successive-approximation register architecture with an internal track-and-hold circuit configurable to accept one or two input signals at its input channels. This Click board™ offers high accuracy solution for the most demanding applications, from general-purpose remote data acquisition applications to portable consumer electronics and more.

ADC 19 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 most demanding applications, from general-purpose remote data acquisition applications to portable consumer electronics and more
On-board modules	ADC122S101 - two-channel CMOS 12-bit analog-to-digital converter from Texas Instruments
Key Features	Low power consumption, specified over a range of sample rates, two input channels, high-speed serial interface, high performance, and more
Interface	SPI
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[ADC122S101 datasheet](#)

[ADC 19 click 2D and 3D files](#)

[ADC 19 click schematic](#)

[ADC 19 click example on Libstock](#)

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