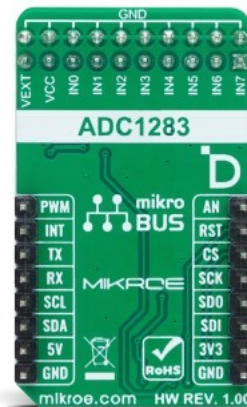
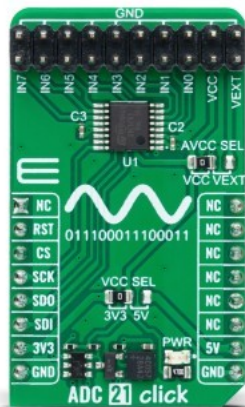


ADC 21 Click



PID: MIKROE-5531

ADC 21 Click is a compact add-on board that converts an analog voltage into a digital representation. This board features the ADC1283, a low-power, eight-channel pure CMOS 12-bit analog-to-digital converter from STMicroelectronics. The ADC1283 is specified for conversion from 50ksps to 200ksps. Its architecture is based on a successive approximation register with an internal track-and-hold cell. It features eight single-ended multiplexed inputs, where the output serial data is straight binary and SPI-compatible. This Click board™ offers high accuracy for the most demanding applications, from general-purpose remote data acquisition and instrumentation to industrial applications.

ADC 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.

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 and instrumentation to industrial applications
On-board modules	ADC1283 - eight-channel analog-to-digital converter from STMicroelectronics
Key Features	Low power consumption, high accuracy, high-speed serial interface, high performance, selectable conversion rate, 12-bit SAR-based ADC, selectable analog power supply, and more
Interface	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

[ADC 21 click example on Libstock](#)
[ADC 21 click 2D and 3D files](#)
[ADC1283 datasheet](#)
[ADC 21 click schematic](#)

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