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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 <u>Texas Instruments</u>. 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 $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}\ \mathsf{board}^{\mathsf{TM}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}^{\mathsf{TM}}}$ 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.







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Specifications

Туре	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 precharge 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

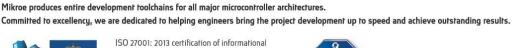
ADC 23 click schematic

ADC 23 click 2D and 3D files

ADS127L11 datasheet

ADC 23 click example on Libstock

ADR4525 datasheet







health and safety management system.