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ADC 11 Click

PID: MIKROE-4593

ADC 11 Click is a compact add-on board that contains a high-performance data converter. This board features the LTC1864, a 16-bit 250ksps analog-to-digital converter from Analog Devices. With a typical supply current of only 850µA at the maximum sampling frequency, the LTC1864 is among the lowest power consumption ADCs available. After conversion, the LTC1864 goes into a low-power Sleep mode, further reducing the supply current. That’s why it can run at proper micro-power levels in applications that do not require the maximum sampling rate of the LTC1864. This Click board™ is suitable for high-speed data acquisition, low power battery-operated instrumentation, isolated and remote data acquisition, and many other applications.

ADC 11 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.

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Specifications

Type	ADC
Applications	Can be used for high-speed data acquisition, low power battery-operated instrumentation, isolated and remote data acquisition, and many other applications.
On-board modules	LTC1864 - 16-bit successive approximation A/D converter with a sample-and-hold feature that operates on a single 5V supply from Analog Devices
Key Features	One channel 16bit 250ksps ADC, singl 5V supply, low supply current, auto-shutdown feature, SPI compatible interface, and more.
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

ADC 11 click 2D and 3D files

LTC1864 datasheet

ADC 11 click schematic

ADC 11 click example on Libstock