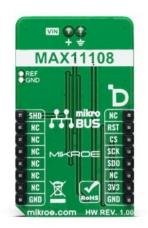MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
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ADC 14 Click

PID: MIKROE-5880

ADC 14 Click is a compact add-on board with a high-performance data converter. This board features the MAX11108A, a low-power serial ADC from Analog Devices. It includes a high-dynamic range sample-and-hold and a high-speed serial interface. This 12-bit resolution ADC with an integrated single-ended analog input connected to the ADC core can achieve up to 3Msps of conversion rate with no pipeline delay. This Click board™ makes the perfect solution for the development of instrument data acquisition, mobile applications, portable data logging, medical instrumentation, communication systems, and more.

ADC 14 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.

Specifications

Type	ADC
Applications	Can be used for the development of instrument data acquisition, mobile applications, portable data logging, medical instrumentation, communication systems, and more
On-board modules	MAX11108A - low-power serial ADC from Analog Devices
Key Features	Compact 12-bit ADC, low power consumption extends battery life, high speed, high conversion rate with no pipeline delay, single-ended ADC, high-dynamic range sample-and-hold, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

ClickID

Downloads

MCP1501 datasheet

ADC 14 click example on Libstock

MAX11108A datasheet

ADC 14 click 2D and 3D files

ADC 14 click schematic