

DAC 14 Click



PID: MIKROE-5525

DAC 14 Click is a compact add-on board providing highly accurate digital-to-analog conversion. This board features the [DAC53202](#), a 10-bit dual-channel programmable voltage/current-output DAC from [Texas Instruments](#). The DAC53202 supports high-speed I2C and SPI serial interface alongside Hi-Z Power-Down mode and Hi-Z output during Power-OFF conditions. It has a programmable comparator mode for both DAC channels and one general-purpose I/O pin configurable as multiple functions allowing this smart DAC for processor-less applications. This Click board™ is suitable for communications equipment, enterprise servers, test and measurement, and general-purpose power-supply modules.

DAC 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.

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	DAC
Applications	Can be used for communications equipment, enterprise servers, test and measurement, and general-purpose power-supply modules
On-board modules	DAC53202 - 10-bit dual-channel buffered digital-to-analog converter from Texas Instruments
Key Features	Programmable outputs, flexible configuration, comparator mode for all channels, Hi-Z power-down mode, multifunction GPIO, selectable interface, and more
Interface	I2C,SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

Downloads

[DAC 14 click example on Libstock](#)
[DAC 14 click 2D and 3D files](#)
[DAC53202 datasheet](#)
[DAC 14 click schematic](#)

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