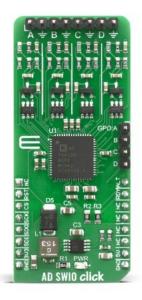


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AD-SWIO Click





PID: MIKROE-4081

AD-SWIO Click is a guad-channel software configurable input/output solution based on AD74412R. The AD74412R is a quad-channel software configurable input/output integrated circuit for building and process control applications. The device provides a fully integrated single chip solution for input and output operation. The AD-SWIO Click contains four 13-bit DACs, one per chanal, and 16-bit Σ - Δ ADC. These options give a lot of flexibility in choosing functionality for analog output, analog input, digital input, resistance temperature detector (RTD), and thermocouple measurements integrated into a single chip solution with a serial peripheral interface (SPI).

The AD-SWIO Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board $\ensuremath{^{\text{TM}}}$ 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.





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Specifications

Туре	ADC-DAC,SWIO
Applications	Applications Its a perfect choice for Process control, Factory automation, Motor drives, Building control systems.
On-board modules	AD74412R a quad-channel SWIO and ADP1613 step-up dc-to-dc switching converter all from Analog Devices
Key Features	Optimized for 16-bit ADC (Analog-to-Digital Converter) and 13-bit DAC (Digital-to-Analog Converter).
Interface	GPIO,SPI
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

AD-SWIO click schematic

AD-SWIO click 2D and 3D files

AD74412R datasheet

AD-SWIO click example on Libstock

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