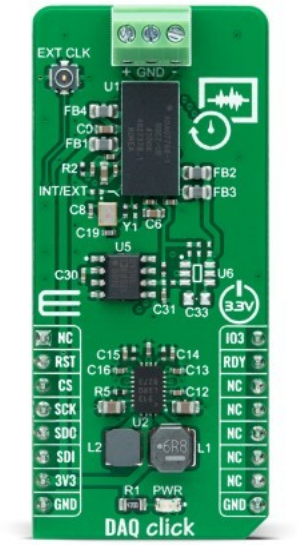
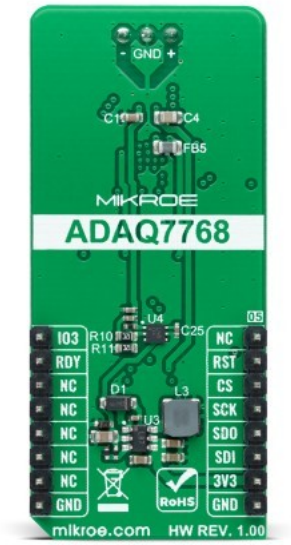
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

DAQ Click





PID: MIKROE-4495

DAQ Click is a compact add-on board representing a data acquisition solution. This board features the ADAQ7768-1, a 24-bit precision data acquisition (DAQ) µModule system that encapsulates signal conditioning, conversion, and processing blocks into one SiP from Analog Devices. It supports a fully differential input signal with a maximum voltage range of ±12V with an excellent common-mode rejection ratio (CMRR). The input signal is fully buffered with a low input bias current, enabling the ADAQ7768-1 to interface to sensors with high output impedance directly. Also, it comes with a selectable clock source and programmable gain options, output data rate, filter type, and latency configurable through an SPI serial interface. This Click board™ is suitable as a universal input measurement platform for electrical tests and measurements, condition monitoring for predictive maintenance, and many other applications.

DAQ 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.

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	ADC
Applications	Can be used as a universal input measurement platform for electrical tests and measurements, condition monitoring for predictive maintenance, and many other applications
On-board modules	ADAQ7768-1 - 24-bit precision data acquisition µModule system that encapsulates signal conditioning, conversion, and processing blocks into one SiP from Analog Devices
Key Features	Highly integrated data acquisition solution, programmable gain options, combined precision AC and DC performance, low-noise, programmable output rate, filter type and latency, SPI interface, low power consumption, and more
Interface	SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

ADAQ7768-1 datasheet

ADA4807-1 datasheet

ADP2300 datasheet

ADR4540 datasheet

DAQ click 2D and 3D files

DAQ click schematic

LT3095 datasheet

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

[DAQ click example on Libstock]