

Serializer Click



PID: MIKROE-4925

Serializer Click is a compact add-on board that contains a digital input translator/serializer. This board features the [MAX31910](#), an eight-channel digital input serializer for high-channel density digital input modules in industrial and process automation from [Analog Devices](#). The MAX31910 translates, conditions, and serializes the 24V digital output of sensors and switches to 5V CMOS-compatible signals required by the MCU. It provides the front-end interface circuit of a programmable logic controller (PLC) digital input module. It communicates with MCU via the SPI interface and comes in configuration with an installed digital isolator. This Click board™ is suited for various applications such as industrial, process, and building automation, digital input modules for PLCs, and more.

Serializer 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	Measurements
Applications	Can be used for various applications such as industrial, process, and building automation, digital input modules for PLCs, and more
On-board modules	MAX31910 - eight-channel digital input translator/serializer from Maxim Integrated, now part of Analog Devices
Key Features	Low power consumption, highly integrated, eight channels, robust features and performance for industrial environments, flexible power supply capability, and more
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Serializer click 2D and 3D files](#)

[MAX31910 datasheet](#)

[Serializer click schematic](#)

[Serializer click example on Libstock](#)

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