

SPI Isolator 8 Click



PID: MIKROE-5873

SPI Isolator 8 Click is a compact add-on board representing a digital isolator optimized for a serial peripheral interface. This board features the ISOW7743, a quad-channel digital isolator from Texas Instruments. This device has a maximum data rate of 100Mbps and transfers digital signals between circuits with different power domains featuring reinforced isolation for a withstand voltage rating of 5kVRMS for 60 seconds. This Click board™ makes the perfect solution for developing factory automation, motor control, grid infrastructure, medical equipment, test, measurement devices, and more.

SPI Isolator 8 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	Isolators,SPI
Applications	Can be used for the development of factory automation, motor control, grid infrastructure, medical equipment, test, and measurement devices, and more
On-board modules	ISOW7743 - quad-channel digital isolator from Texas Instruments
Key Features	Integrated DC-DC converter with low emissions, high-efficiency output power, and independent power supply for channel isolator and power converter, robust electromagnetic compatibility, enabling any of the isolator's sides, isolated side power source selection, and more
Interface	SPI
ClickID	Yes
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

[SPI Isolator 8 click example on Libstock](#)

[SPI Isolator 8 click 2D and 3D files](#)

[ISOW7741 datasheet](#)

[SPI Isolator 8 click schematic](#)

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