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DIGI Isolator 2 Click

PID: MIKROE-5981

DIGI Isolator 2 Click is a compact add-on board that provides isolated digital input signals to your application. This board features the ISO1228, an eight-channel isolated digital input from Texas Instruments. It comes with 8-channel isolated 24V digital input receivers, with a current limit and diagnostics. The device also provides a field-side input-current-powered LED indication to reduce system power dissipation and reduce the board temperatures. This Click board™ makes the perfect solution for the development of programmable logic controllers (PLC), digital input modules, and more.

DIGI Isolator 2 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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Specifications

Type	Isolators,Port expander
Applications	Can be used for the development of programmable logic controllers (PLC), digital input modules, and more
On-board modules	ISO1228 - eight-channel isolated digital input from Texas Instruments.
Key Features	Eight isolated digital inputs, low power, and heat dissipation, wire-break detection, integrated field supply voltage monitor, SPI burst mode, parallel mode, integrated IEC ESD and surge protection, wide field supply voltage range, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External

Resources

[mikroBUS™](#)

[mikroSDK](#)

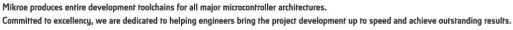[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[DIGI Isolator 2 click example on Libstock](#)

[ISO1228 datasheet](#)

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

[DIGI Isolator 2 click schematic](#)

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).