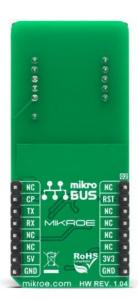MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

RFID 2 Click

PID: MIKROE-4208

RFID 2 Click is a compact add-on board that contains a stand-alone RFID reader with a built-in antenna easy-to-use for embedded applications. This board features the ID-12LA-SA, an advanced low-cost RFID reader module usable with 38 different tags from ID Innovations. This small 125kHz reader has a 9600bps TTL/RS232 output with Magnetic, Wiegand, or ASCII format, read ranges of 12cm and 18cm, and possesses a remotely controlled channel that can be used to operate with user peripherals. This Click board™ is designed to be used in stand-alone or remote-controlled applications to identify and track tags attached to objects.

RFID 2 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	RFID/NFC
Applications	Can be used in stand-alone or remote-controlled applications to identify and track tags attached to objects.
On-board modules	RFID 2 Click is based on the ID-12LA-SA, an advanced low-cost RFID reader module designed to be used in stand-alone or remote-controlled applications to identify and track tags attached to objects from ID Innovations.
Key Features	Low power consumption, autonomous mode, remote controlled auxiliary Channel, long range 12cm and 18cm, and more.
Interface	UART
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

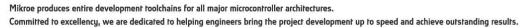## Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

NE555 datasheet

RFID 2 click 2D and 3D files

RFID 2 click schematic

RFID 2 click example on Libstock

ID-12LA-SA datasheet

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