

NFC Extend Click



PID: MIKROE-3971

NFC Extend Click is NFC tag interface device with possibility of using any shape and size [external antenna](#), offering 16 Kbit of electrically erasable programmable memory (EEPROM). This Click Board™ offer two communication interfaces. The first one is an I2C serial link and can be operated from a DC power supply. The second one is a RF link activated when Click Board™ act as a contactless memory powered by the received carrier electromagnetic wave. It is perfectly suited for using in wide variety of applications, such as NFC enabled business cards, stickers, wristbands, key fobs, pens, movie passes, hang tags, medication bottles, and many more.

NFC Extend Click board™ 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.

For any functionality NFC Extend click have to be used with one of NFC antenna.

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	NFC enabled business cards, stickers, wristbands, key fobs, pens, movie passes, hang tags, medication bottles, and many more.
On-board modules	ST25DV16K - the compact NFC tag IC from STMicroelectronics
Key Features	Fast data transfer between I2C and RF interfaces, half-duplex 256-byte dedicated buffer, energy harvesting, data protection features, custom size and shape external antenna.
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[NFC Extend click example on Libstock](#)

[NFC Extend click 2D and 3D files](#)

[ST25DV16K datasheet](#)

[NFC Extend click schematic](#)

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