

## NFC 4 Click



PID: MIKROE-4842

**NFC 4 Click** is a compact add-on board that contains an NFC transceiver for contactless communication. This board features the [ST25R3916](#), a multi-purpose NFC transceiver supporting passive peer-to-peer functionality and NFC card-emulation mode, as well as NFC reader operation from [STMicroelectronics](#). It features high RF output power to directly drive an antenna etched on the PCB, alongside its tuning circuit, at high efficiency. The ST25R3916 also represents an EMVCo reader fully compliant with ISO 14443A/B, ISO 15693, ISO 18092, Felica, and NFC Forum standards. Thanks to the ST25R3916, this Click board™ provides all the features designers need to quickly market and comply with relevant NFC specifications. This Click board™ represents an ideal solution for rapidly integrating NFC technology in any custom application.

NFC 4 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 for rapidly integrating NFC technology in any custom application   |
| On-board modules | ST25R3916 - high-performance multi-purpose NFC transceiver supporting NFC initiator, NFC target, reader, and card emulation modes from STMicroelectronics  |
| Key Features     | Low power NFC active and passive target modes, low power capacitive and inductive card detection, fully compliant with EMVCo 3.0, noise suppression, selectable communication interfaces, and more |
| Interface        | I2C,SPI  |
| ClickID          | No   |
| Compatibility    | mikroBUS   |
| Click board size | L (57.15 x 25.4 mm)  |
| Input Voltage    | 3.3V   |

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[NFC 4 click example on Libstock](#)

[NFC 4 click 2D and 3D files](#)

[ST25R3916 datasheet](#)

[NFC 4 click schematic](#)

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