

NFC 6 Click



PID: MIKROE-5935

NFC 6 Click is a compact add-on board that contains an NFC transceiver for contactless communication. This board features the [ST25R95](#), a near-field communication transceiver from [STMicroelectronics](#). It supports reader and writer operating modes and emulates ISO/IEC 14443-3 Type A cards. The RF communications are done over the 13.56MHz. The transceiver features tag detection mode, field detection mode, transmission and reception modes, and more. This Click board™ makes the perfect solution for the development of applications based on NFC technology, contactless communication, payment systems, home and industrial automation, and more.

NFC 6 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.

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 the development of applications based on NFC technology, contactless communication, payment systems, home and industrial automation, and more
On-board modules	ST25R95 - near field communication transceiver from STMicroelectronics
Key Features	NFC/RFID card writer and reader, ISO/IEC 14443-3 Type A card emulation, dedicated internal frame controller, highly integrated analog front end (AFE) for RF communication, transmission and reception modes, optimized power management, tag detection mode, field detection mode, 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

[NFC 6 click example on Libstock](#)

[NFC 6 click 2D and 3D files](#)

[ST25R95 datasheet](#)

[NFC 6 click schematic](#)

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