

# μFR Series Hardware

## NFC RFID Readers Writers with SDK

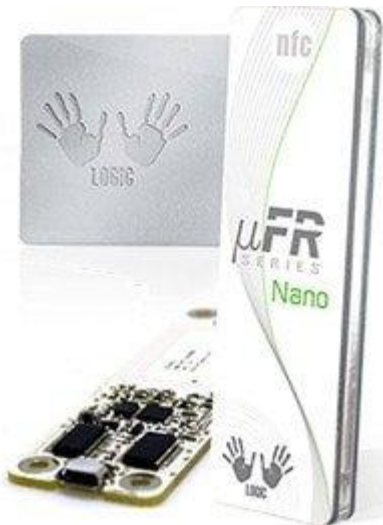
The widely used **μFR Series** Hardware consists of fully-featured NFC RFID Reader Writer devices, provided with free SDKs and related technical documentation.

Due to the shared hardware architecture, all of the products in this family are fully compatible. The ability to integrate various device models or replace one model with another device of the same NFC RFID reader series allows for the easier development of large and complex systems to increase the system's functionality or installation.

The availability of OEM modules is particularly suitable for embedded solutions development.

## NFC Reader – $\mu$ FR Nano

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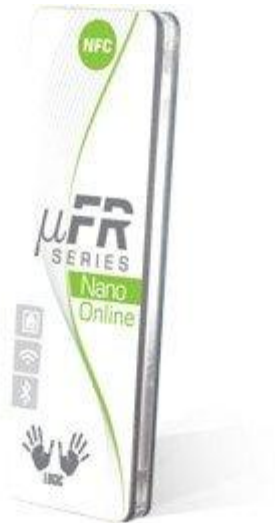


[Buy now](#)

- Absolutely bestselling NFC Reader by Digital Logic
- Full NFC compliant NFC Reader.
- Built-in hardware encryption, fully-featured FREE Software development kit ( $\mu$ FR Series NFC Reader SDK), all hardware platforms supported.
- Easy implementation for hobbyists and professional developers.
- Connectivity: USB and RS232
- Dimensions: 86.5 x 27 x 10 mm

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## NFC Reader – $\mu$ FR Nano Online



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- Wireless NFC Reader flagship.
- $\mu$ FR Nano core with ESP32 add-on hardware.
- Write the code directly inside the reader.
- Supports custom firmware.
- Protocols: UDP, TCP/IP, HTTP.
- Connectivity: WiFi (TCP/IP, HTTP, UDP), BLE (Serial, HID, BLE), Ethernet, USB, and RS232
- Dimensions: 86.5 x 27 x 10 mm

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## NFC Reader – $\mu$ FR Classic



[Buy now](#)

- High-quality RFID reader device with maximal reading distance according to ISO14443
- Fully-featured cross-platform FREE NFC SDK ( $\mu$ FR Series NFC Reader SDK), ideal for fast application development
- RFID NFC Reader/Writer designed for advanced users and developers
- NFC tag emulation, controllable RGB LED lights, RF Booster
- Available in two versions:  $\mu$ FR CLASSIC (rugged desktop version) and  $\mu$ FR CLASSIC CS (slim, ISO card size version)

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## NFC Reader – $\mu$ FR Classic CS



[Buy now](#)

- Less sized  $\mu$ FR Classic NFC Reader version, except the size, inherited all the features of the larger device
- RF Booster (optional upgrade) provides up to 50% increased reading range on advanced cryptography cards such as DESFire and JCOP cards
- SAM support (optional upgrade)
- A completely customizable case design
- FREE fully-featured NFC SDK ( $\mu$ FR Series NFC Reader SDK)
- Dimensions: 85.6 x 54.5 x 8 mm

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## NFC Reader – $\mu$ FR Advance

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Buy now

- An upgraded version of  $\mu$ FR Classic NFC RFID reader with additional features such as built-in RTC (Real Time Clock) and internal EEPROM NV memory
- Provides a higher security level. The user-configurable, password-protected part of EEPROM is convenient for storing sensitive data, like license keys or similar
- The RFID reader device is primarily intended for developing companies and individuals (professionals and hobbyists) for further application and turnkey solutions development
- FREE fully-featured NFC SDK ( $\mu$ FR Series NFC Reader SDK)

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## NFC Reader – $\mu$ FR XL



[Buy now](#)

- High-quality RFID reader device with ISO14443 Type A & B and ISO18092 extended reading distance up to 200 mm
- Fully-featured cross-platform FREE NFC SDK ( $\mu$ FR Series NFC Reader SDK), suitable for fast application development
- RFID NFC Reader/Writer designed for advanced users and developers
- NFC tag emulation, controllable RGB LED lights, and optional RF Booster
- Easy for integration with USB port, UART TTL, RS232 connectors

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## Access Control NFC Reader – Base HD



Buy now

- Wall mountable NFC RFID Reader/Writer with built-in access control I/O module with relays, used primarily for Access Control.
- Low power and high-performance NFC RFID reader supporting up to 320 meters (1000 ft) of cable installation while maintaining full performance.
- The RFID reader is intended for developing Access Control where the PC host is far away from the device.
- Autonomous device (host independent).
- Compliant with the  $\mu$ FR series

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