

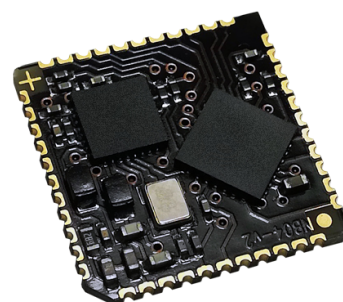
NANO-RS

MINIATURE 13,56MHz RFID MODULE



Product designed and
manufactured in Poland

NANO-US is a miniature RFID reader module from the **MIFARE® Classic, Ultralight, DESFire, Plus, ICODE® SLI** families, operating on frequency of **13,56MHz**. Module have functionality to program NFC cards and transponders comply with the ISO / IEC 14443A / B and ISO15693 standards, including NFC. Module have RS232 (TTL) interface with output line for control RS485, I2C, SPI, 1-Wire®, WIEGAND interfaces.



Main features

- RS232 (TTL) interface with RS485 bus transmitter/ receiver control output,
- A wide range of communication interfaces,
- Full support for MIFARE® Plus and MIFARE® DESFire transponders,
- Support of ICODE® SLI transponders,
- Compatible with the CardIDCoder application - the ability to automatically read data stored in encrypted transponder sectors,
- Compatibility with the NFC_ID application,
- Support of ISO/IEC 14443-4 protocol and ISO/IEC 14443A/B, ISO15693 standards,
- Ultra-miniature size,
- Anti-collision output for multiple modules working in close proximity,
- Low power consumption and sleep mode, 5 configurable inputs / outputs,
- Software update via the RS232 interface using the NEFIR software,
- Programming of NFC cards and tags compliant with the ISO/IEC 14443 standard.

Specification

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|------------------------|--|
| Supported standards | MIFARE® Classic, Plus, Ultralight, DESFire, ICODE® SLI |
| Operating frequency | 13,56MHz |
| Read range | MIFARE® Classic - 6cm, MIFARE® Plus - 4cm |
| Interface | RS232(TTL), RS485, 1-Wire®, WIEGAND |
| Relay | No |
| Antenna | No |
| LED | No |
| Buzzer | No |
| Supply voltage | 3,3V ±10% |
| Max. power consumption | |
| Operating temperature | -20°C to +70°C |
| Size | 17.5 x 17.5 x 3 mm |

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