

DeskID NFC Desktop RFID Reader/Writer

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With the DeskID NFC Metratec presents its first multi-protocol RFID reader/writer device. The slim housing looks good on every desktop and can read and write any 13.56 MHz NFC RFID transponder over a range of a few cm. This includes ISO15693 tags (NFC Type 5) and all ISO14443-based transponders including all products from the NXP Mifare® series. This includes not only Mifare Classic and Ultralight® but also NTAG transponders as well as the very secure Mifare DESFire® tags.

The reader is connected to a host system (typically a PC) via USB-C. With the help of the ReaderControl 3 software included with the device, supported transponders can be read and written to. Also included with the device are different programming libraries for Java, .NET, and Python, which you can use to write your own applications in a short time without prior knowledge of RFID. Using the easy-to-learn low-level AT protocol you can also connect the device to other systems, e.g. an embedded PC or even a PLC.

Typical usage scenarios for the DeskID NFC are customer identification systems (eg. in gyms), configuration stations for RFID and NFC transponders as well as a valuable debugging tool for virtually any 13.56 MHz RFID system.



- 🌀 Compact Design
- 🌀 USB-C powered
- 🌀 Up to 10 cm read range
- 🌀 HID Scan Mode

Technical Specification

Operating Principle	Short-Range USB Desktop Reader/Writer for NFC RFID (13.56MHz)
Operating Frequency	13.56 MHz
Antenna Connector	integrated loop antenna
Output Power	250 mW
Read Range	up to 10 cm (depending on transponder size)
Supported Protocols	ISO15693, ISO14443-A, Mifare Classic, Ultralight, DESFire
Connectivity	USB-C (virtual COM port or HID)
Operating Voltage	5V DC (via USB)
Power Consumption	idle: 15 mA, RF on: max. 150 mA
Temperature Range	-20 °C to +70 °C
Dimensions	66 x 96 x 15 mm

If you are looking for a reader/writer that can be used to work with 868 MHz / UHF tags, have a look at our DeskID-UHF v2 device in the same form factor.

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About Metrattec

Metrattec is a manufacturer of RF electronics specialized in wireless “Identification” (RFID) and “Localization” (RTLS). We serve a variety of markets from the manufacturing industry and logistics to vending machines and medical devices. Our customers include OEM customers, IoT system integrators and research facilities worldwide.

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