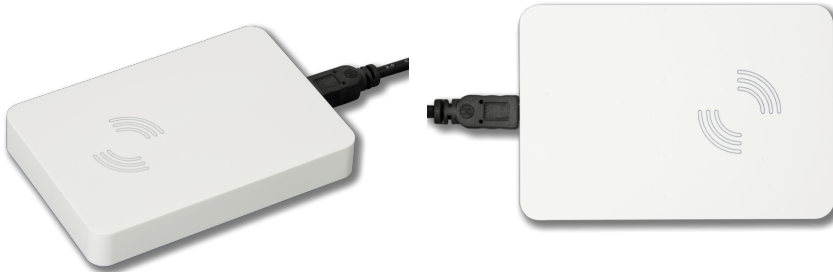# DeskID MF USB Desktop-Reader/Writer

Art. no.:
22000062

METRATEC

◎ Design Housing
◎ Power over USB
◎ Reads and writes NFC type 2 tags
◎ NRND (use DeskID NFC instead)

DeskID MF USB Desktop-Reader/Writer

The DeskID MF is an especially compact HF RFID reader and writer for office RFID applications with ISO14443 tags. Typical scenarios for using the DeskID MF are customer management applications (e.g. in the gym), and configuring of door access systems or customer cards based on the common protocols MIFARE Classic $^{®}$, MIFARE Ultralight $^{®}$.

The low profile, beautiful housing looks great on any desktop and enables every PC user to read and write RFID tags and cards that work according to the MIFARE protocol (as long as they are not protected by passwords). The reading range is approximately 50 to 70 mm. The device is connected to the computer via USB and is also USB powered.

Using the free Windows demo software that ships with the device, transponders can be scanned, written, read, and erased accordingly. Also included with the device are different programming libraries for Java, .NET, and Python, which you can use to write your own applications within a short period of time without prior knowledge of RFID. Using the easy-to-learn low-level ASCII protocol you can also connect the device to other systems, e.g. an embedded PC or even a PLC.

Technical Specification

Operating Principle	Short-Range USB Desktop Reader/Writer for Mifare RFID
Operating Frequency	13.56 MHz (worldwide)
Supported Protocols	Mifare Classic, Mifare Ultralight
Output Power	max. 250 mW (24 dBm)
Read Range	up to 7 cm
Antenna Connector	internal antenna (Loop antenna)
Operating Voltage	5V DC via USB (+/- 10%)
Power Consumption	Idle: approx. 15 mA, RF active: 120 mA
Connectivity	Mini-USB
Temperature Range	-20 °C to +70 °C
Dimensions	66 x 96 x 15 mm
Certifications	conforms with CE, e.g. ETSI 300 330

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", â??Localizationâ?•, and â??Communicationâ?• and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.