



Desktop Reader NEO ID DESK 3000

Applications

- Access Control
- Cashless Payment
- Membership Registration
- Time Attendance

Features

- Integrated KEMU
- Modern design
- Compact size
- Cost-efficient
- USB plug & play
- Fast and easy integration
- Bi-color LED Signal

RFID Options

- UHF (EPC C1 GEN2 / ISO18000-6C)
- HF (ISO14443A)
- LF (read-only)

Description

The Desktop Reader ID DESK 3000 is a modern and cost-efficient Plug and Play read/write-device, which simply needs a network connection to work properly. Compatible with Windows, Linux, and Android, the reader works with the most common operating systems. Both the power supply and data transmission are provided by the USB interface.

The ID DESK 3000 with integrated HF RFID reader (MIFARE®) sets itself apart with its compact size and modern, elegant design in a black/silver housing, making it suitable for all workplaces and counters. The reader is instantly ready after being connected to a computer, laptop, or any other USB port-equipped device. It may be easily used for applications such as time attendance, access control, cashless payment, and membership registration.

For the reading of a transponder (e.g. Smartcards, Keyfobs, RFID wristbands), it only needs the transponder placed on the device. An integrated two-color LED displays both the reading process and the successful transaction.

Thanks to its integrated keyboard emulation (KEMU), the information from the transponder will be transmitted to the computer as if it was entered via the keyboard. Thus, the data may be easily presented and evaluated.

The ID DESK 3000 is available for HF and LF frequencies.

Technical Data

Electrical Specifications	
Power Supply	5 VDC via USB
Current	<150 mA
Operating Frequency	UHF: 865 - 868 MHz / 902 - 928 MHz* HF: 13.56 MHz LF: 125 kHz
Max. Power	max 100mW (20 dBm)
Operating Distance	up to 80 millimeter** (HF Version) up to 50 millimeter** (LF Version)
Antenna	integrated
Memory	64kb Flash memory 20kb RAM
Compatible Systems	Windows XP, Vista, 7, 8, 8.1, 10 Linux Android Macintosh OSX
Status	1 Bi-color LED 1 Buzzer
Interfaces	USB 2.0
Keyboard Emulation	integrated
HID Output Format - HF	8 digits hexadecimal UID number (e.g. 4E 27 3B AA)
HID Output Format - LF	10 digits hexadecimal UID number (e.g. 27 F1 G7 33 4H)

Mechanical Specifications	
Dimensions	99 x 99 x 22mm
Housing Colour	black / silver

Environmental Conditions	
Operating Temperature	-20°C ... +70 °C
Humidity	up to 95%, non condensing

Supported Standards / Tags
<p>HF: ISO/IEC 14443A</p> <p>MIFARE Classic S50, MIFARE Classic S70, MIFARE Ultralight, MIFARE DESFire NTAG 203/213/215/216 Contactless CPU Series Cards</p> <p>MIFARE Ultralight® C, MIFARE® Pro X, MIFARE® Plus S / X, read UID only of all other ISO14443A RFID tags</p> <p>LF (Read-only): EM4200/ TK4100 and compatible tag types</p>

* Including 915 - 928 MHz sub-band

**Reading distance depends on tag and environmental conditions

Order Codes

Version	Order Code
ID DESK 3000 - UHF	R-DT-NEO-UHF-KEMU
ID DESK 3000 - HF	R-DT-NEO-HF-KEMU
ID DESK 3000 - LF	R-DT-NEO-LF-RO

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