

Desktop Reader NEO



Applications

- E-Banking, E-Shopping
- Internet Security
- Software Lock
- Telecom & Postal
- E-Wallet Charging & Check

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

Desktop Reader NEO is a cost-efficient plug and play RFID reader with integrated Keyboard Emulation (KEMU) and USB 2.0 interface.

It enables the usage of RFID for a wide variety of applications in industry and commerce, telecom, postal, banking plus healthcare.

With its USB 2.0 interface, the compact reader can be easily connected to a PC or any other USB port equipped device.

iDTRONIC's NEO Desktop RFID Reader is available for UHF (ETSI & FCC) and HF frequencies, as well as a inexpensive LF read-only version. Keyboard Emulation is included in all versions.

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)
Antenna	integrated
Memory	64kb Flash memory 20kb RAM
Operating Systems	Wind XP, 7 Linux
Status	1 Bi-color LED 1 Buzzer
Interfaces	USB 2.0
Keyboard Emulation	integrated

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

Environmental Conditions	
Operating Temperature	-20°C ... +70 °C
Storage Temperature	-20°C ... + 80°C
Humidity	up to 95%, non condensing

Supported Standards / Tags	
UHF:	Standard ISO 18000-6C (EPC Class 1 Generation 2)
HF:	ISO/IEC 14443A MIFARE Classic S50, MIFARE Classic S70, MIFARE Ultralight, MIFARE DESFire NTAG 203/213/215/216 Contactless CPU Series Cards
LF:	EM 4200 (read-only)

* Including 915 - 928 MHz sub-band

** Reading distance depends on tag and environmental conditions

Order Codes

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

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