



DESKTOP READER NEO UHF

APPLICATIONS

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

FEATURES

- HID or Read & Write Version
- Integrated Antenna
- ETSI + FCC Frequencies
- Bi-Colored LED Signal
- USB Plug & Play

RFID OPTIONS

- UHF (EPC C1 GEN2 | ISO 18000-63)

PRODUCT DESCRIPTION

Desktop Reader NEO UHF is a cost-efficient plug and play RFID device. It is available with integrated Keyboard Emulation (HID) or as Read & Write Version.

This UHF Version supports ISO Standard 18000-63 EPC Class 1 Generation 2 transponders, as well as global UHF frequencies ETSI (865 – 868 MHz) and FCC (902 – 928 MHz). It achieves reading ranges of up to 30 cm.

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

It enables the usage of RFID for a wide variety of applications in industry and commerce, telecom, postal, banking plus health care. Especially for applications where a higher reading range is required, this UHF version is well suited. For example first inscription in offices for containers or trucks.

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS		
	HID	Read & Write
Power Supply	5 VDC via USB	
Current	< 150 mA	
Operating Frequencies	UHF: 865 – 868 MHz 902 – 928 MHz*	
Max. Power	max 100 mW (20 dBm)	
Operating Distances	up to 30 cm**	
Antenna	integrated	
Standard UID Output	10H Hexadecimal	–
Keyboard Emulation	integrated (Keyboard Layout: QWERTY)	–
Operating Systems	all that support HID's (Keyboard, Mouse)	all that support VCP's
Interfaces	USB 2.0 HID	USB 2.0 VCP
Status	1 Bi-color LED 1 Buzzer	

MECHANICAL SPECIFICATIONS	
Dimensions	99 × 99 × 22 mm
Housing Colour	black silver

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

* Including 915 – 928 MHz sub-band

**Reading distance depends on tag and environmental conditions

SUPPORTED STANDARDS TAGS
Standard ISO 18000-63 (EPC Class 1 Generation 2)

APPLICABLE STANDARDS	
EMC	EN 301489-1:2012-04 (v1.9.21) EN 301489-3:2019-03 (V2.1.1)
Radio Regulation	EN 302208-2:2015-02 (V2.1.1)
Safety	EN 60950-1:2014-08 (valid till 2020-12-19) EC 62368-1:2018-10 (V3.0, valid as of 2020-12-20)
RoHS 2	EC Guideline 2011/65/EU and amendment 2015/863/EU, updated by 2017/2102/EU EN 50581:2012 (valid till 2024-07-07) EN 63000:2018
REACH	EU Guideline 1907/2006, updated by 2020/171/EU

SDK INFORMATION (ONLY FOR READ & WRITE)	
Supported OS by Silabs USB VCP Driver	Windows 7/8/8.1/10 (v6.7.3) Windows XP/Server 2003/Vista/7/8/8.1 (v6.7) Windows 2K (v6.3a) WinCE (5.0, 6.0) Macintosh OSX (v4) Linux (3.x.x., 2.6.x) Android 4.2
Supported OS	Windows 7, 8, 8.1, 10
Supported Languages	C++, .NET, binary command protocol
Demo Software	Windows

ORDER CODES

VERSION	ORDER CODE
NEO Desktop Reader UHF (HID)	R-DT-NEO-UHF-HID
NEO Desktop Reader UHF	R-DT-NEO-UHF

iDTRONIC GmbH
Ludwig-Reichling-Straße 4
67059 Ludwigshafen
GERMANY

Phone +49 (0) 621 66 90 09 4-0
Fax +49 (0) 621 66 90 09 4-9
E-Mail: info@idtronic-rfid.com
Web: idtronic-rfid.com

For further information & prices, please contact info@idtronic-rfid.com

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