iDTRONIC

PROFESSIONAL RFID

DESKTOP READER
NEO LF

APPLICATIONS

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

FEATURES

- Integrated KEMU
- Integrated Antenna
- Read Only Version
- Fast and Easy Integration
- Bi-Colored LED Signal
- USB Plug & Play

RFID OPTIONS

- **LF** (read-only)

PRODUCT DESCRIPTION

Desktop Reader NEO LF is a cost-efficient plug and play RFID reader with read only mode and USB 2.0 interface.

This LF Version supports ISO Standard EM 4200 (read-only) in 125 kHz. It achieves reading ranges from 3 to 4 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 read only is required, this LF version is well suited. For example for e-banking or internet security log on.

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Power Supply	5 VDC via USB
Current	<150 mA
Operating Frequencies	LF: 125 kHz
Max. Power	max 100 mW (20 dBm)
Operating Distances	3 ~ 4 cm with ISO Standard Card*
Standard UID Output	10H Hexadecimal
Antenna	integrated
Memory	64 kb Flash memory 20 kb RAM
Operating Systems	Windows 7 Linux
Status	1 Bi-color LED 1 Buzzer
Interfaces	USB 2.0
Keyboard Emulation	integrated (Keyboard Layout: QWERTY)

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

*Reading distance depends on tag and environmental conditions

SUPPORTED STANDARDS | TAGS

EM 4200 (read-only)

APPLICABLE STANDARDS

EMC	EN 301489-1:2012-04 (v1.9.21) EN 301489-3:2013-12 (V1.6.1)
Radio Regulation	EN 300330-1:2015-08 (V1.8.1) EN 300330-2:2015-08 (V1.6.1)
Safety	EN 60950-1:2014-08 EN 62369-1:2010-03 EN 50364:2010-11
RoHS	EC Guideline 2011/65/EU
Certificate	FCC, CE

SDK INFORMATION

Supported OS	Windows 7, 8, 8.1, 10
Supported Languages	C++, C#, .net, Java, binary command protocol
USB Driver OS	Windows NT based Windows 10 certified Linux (built-in)
Demo Software	Windows
Engineering Mode	License can be acquired separately

ORDER CODES

VERSION	ORDER CODE
LF	R-DT-NEO-LF-RO