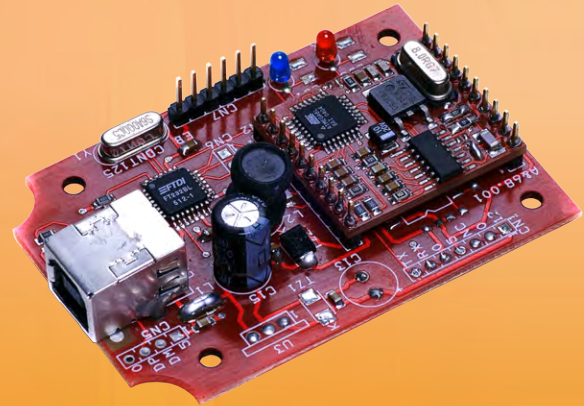


# LF Reader R820



## Applications

- Desktop Readers/Encoders
- Printers
- Access Control

## Features

- Compliant to EM4200, 4550, NXP Hitag 1, 2, S
- Interfaces USB or RS232

## Description

The iDTRONIC Embedded LF Reader R820 has been designed to support 125 kHz read-only and read/write tags like EM 4200, EM 4550 as well as NXP Hitag 1, Hitag 2 and Hitag S.

The LF Reader R820 is a full read/write device and comes with integrated antenna. There are two interface options (USB and RS232) available which allow easy use.

MS Windows based application SW is supplied with the product.

## Technical Data

Electrical Specifications	
Power Supply	5V (USB)
Operating Distance	up to 7 cm
Antenna	Integrated
Interface	USB or RS232
Signals	1 LED red, 1 LED bi-coloured

Mechanical Specifications	
Dimensions	69 x 47.5 x 18 mm

Environmental Conditions	
Operating Temperature	-20°C to +70 °C
Humidity	5 % to 95 %

SDK Information	
Supported OS by FTDI USB VCP Driver	Windows Server 2008/2012 R2 x64 Windows 7, 8, 8.1, 10 Windows RT Windows CE (CE 4.2-5.2, 6.0/7.0, 2013) Linux Mac OSX Android
Communication Protocol	On start-up the device automatically reads the UID and transfers it to the USB VCP. In addition the device offers a simple command protocol for read/write operation.
Demo Software	Windows

Supported Standards / Tags
EM 4200, EM 4550, NXP Hitag 1, 2, S

\*Reading distance depends on tag, antenna and environmental conditions

## Order Codes

Version	Order Code
USB	OEM-LF-R820-USB
RS232	OEM-LF-R820-232

iDTRONIC GmbH  
Donnersbergweg 1  
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](mailto:info@idtronic-rfid.com)  
Web: [idtronic-rfid.com](http://idtronic-rfid.com)

For further information & prices, please contact [info@idtronic-rfid.com](mailto:info@idtronic-rfid.com)

Subject to alteration without prior notice  
©2016 iDTRONIC GmbH