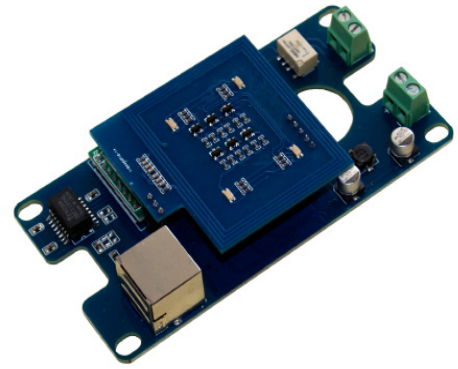


HF | NFC Reader R840 ET



Description

The HF | NFC Reader R840 ET is a read and write RFID network module with integrated antenna, can be used within existing networks and systems. The Reader ET R840 is available as HF version with Ethernet interface for demanding industrial or IoT applications.

The 13.56 MHz Reader R840 ET supports ISO 14443A/B as well as ISO 15693 standards. The HF | NFC Reader R840 ET is low on power consumption and offers a space-saving design. A controllable buzzer and tricolor LED for acoustic and visual signaling are integrated.

In combination with the useful SDK and testing software, the Reader ET R840 is the ideal choice for various RFID applications in a network environment.

APPLICATIONS

- Access Control
- Remote Control
- Payment Systems
- Automation Systems
- Network Control Systems

HIGHLIGHTS

- MIFARE ®
- External Power Supply
- Ethernet
- Low Power Consumption
- Relay for Remote Control
- Integrated Antenna

RFID OPTIONS

- ISO 14443 A/B
- ISO 15693
- NXP MIFARE®
- NXP DESFire®

TECHNICAL DATA

Electrical Specification	
Power Supply	5 or 12 Vdc ($\pm 5\%$ regulated)
Power Consumption	< 180 mA (RFID active, relay ON)
Operating Frequency	13.56 MHz
Reading Distance	up to 8 cm*
Antenna	Integrated, 87 × 54 mm
Baudrate	9.600 ... 115.200 bit/s
Interfaces	Ethernet, PC/SC
Signals	Buzzer, LED changes from blue to green to show steady contact with RFID data day
Connector	TCP/IP

Mechanical Specification	
Material	Antenne und Hauptplatine: FR4 Blau
Montage Option	Schrauben

Environmental Conditions	
Betriebstemperatur	-20 °C ... +80 °C
Lagertemperatur	-40 °C ... +85 °C
Luftfeuchtigkeit	bis zu 95%, nicht kondensierend
MTBF	200'000 h

SDK-Information	
Supported OS by Silabs USB VCP Driver	Windows 7/8/8.1/10 Windows Server 2003/7/8/8.1 Windows 2K WinCE (5.0, 6.0) Macintosh OSX Linux (4.x.x., 2.6.x) Android 4.2
Supported OS	Windows 7, 8, 8.1, 10
Supported Languages	C++, Binäres Befehlsprotokoll
Demo Software	Windows

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
RED	2014/53/EU
RoHS 2	2011/65/EU
REACH	1907/2006

ORDER CODES

**READING DISTANCE DEPENDS ON TAG, ANTENNA AND ENVIRONMENTAL CONDITIONS.
**ONLY AVAILABLE FOR SOME VERSIONS*

HF Versionen	Order Codes
HF NFC Embedded Reader R840 ET - HF Ethernet	OEM-HF-R840-ET
HF NFC Embedded Reader R840 ET - HF WiFi	OEM-HF-R840-WIFI

MIFARE Versionen	Order Codes
HF NFC Embedded Reader R840 ET - MIFARE Ethernet	OEM-MF-R840-ET
HF NFC Embedded Reader R840 ET - MIFARE WiFi	OEM-MF-R840-WIFI