ER719 Datasheet

Single Badge Solutions for Identification and Access

EHUOYAN RfidLoginer Surface Mount

Contactless and NFC Surface Mount card reader writer

ER719 for identification and enrollment.

Information	
Name	NFC Reader Writer
Model No.	ER719
Interface	VCP(EKB/ RS232/RS485 optional)
Color	Black(White optional)
Phone	86-010-80218328
Email	info@ehuoyan.com
Web	http://www.ehuoyan.com/

1. Special Features

- Contactless Near Field Communication reader

- Support   cards: MIFARE$^®$1k, MIFARE$^®$4k, MIFARE Ultralight$^®$, NTAG213

- RF Frequency: 13.56 MHz.

- Typical time of command：<100ms

- Operating distance: up to 5cm

- CE and FCC compliant

- Unique serial number of each reader device

- Communications Interface: USB(VCP default,EKB/RS232/RS485 Optional)

- Dual LEDs indicator (software controlled)
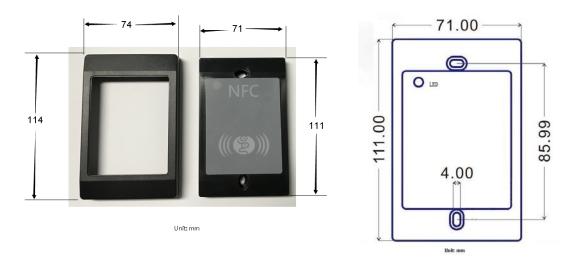
- Buzzer alarm (software controlled)

- Surface Mount

2. Technical Specifications

Dimensions	114 mm (L) x 74 mm (W) x 16 mm (H)
Weight	70 g
Cable length	1.5m(optional)
Color	Black(White optional)
Interface	USB (VCP default, EKB/RS232/RS485 Optional)
Communicate Protocol	Serial /RS485 Protocol/ Emulate Keyboard Keystroke
Baud rate	115200 bps (default, 9600-115200bps optional)
Operating Distance	Up to 5cm (depends on the tag type and size)
Supply Voltage	5V DC defalut (up to 14V optional)
Supply Current	45mA (operating); 25mA (close port); 120mA (maximum)
Operating Temperature	-10~50 °C
Storage Temperature	-20~70 °C
Operating Frequency	13.56 MHz
RF Speed	212 kbps
Smart Card Supported	MIFARE®1k, MIFARE®4k, MIFARE Ultralight®, NTAG213
Program	C#/VC/VB.net/DELPHI/ JAVA/PYTHON
Compatibility	Windows, Linux, Android, iOS, MacOS.
Certification	**FCC, CE**

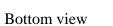**Warranty**: One year for material/workmanship defects; see complete policy for details.

3. Mechanical size

Top cover size

Bottom view   Top view

4. [Interface]

Interface	Pin1	Pin2	Pin3	Pin4
VCP(Virtual Com Port)	**VCC**	**D-**	**D+**	**GND**
HID/EKB(Emulate KeyBoard)	VCC	D-	D+	GND
RS232	VCC	TXD	RXD	GND
RS485	VCC	A	B	GND

5. Applications

PC/LAN Access Control
Application Log-On
Employee Identification

Time & Attendance
Meeting Attendance, Visitor Management
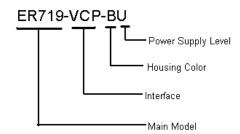Hoteling

Dispensing

Manufacturing

Point of Sale

Physical Access

OEM

6. Order Information

Model	Interface	Power Supply	Protocol	Housing
ER719-EKB-BU	USB	USB-power	Emulate Keyboard	**Black**
ER719-EKB-WU	USB	USB -power	Emulate Keyboard	White
ER719-VCP-BU	USB	USB -power	Serial commands(CDC USB)	**Black**
ER719-VCP-WU	USB	USB -power	Serial commands(CDC USB)	White
ER719-232-BU	RS232	5V DC	Serial commands	**Black**
ER719-232-WU	RS232	5V DC	Serial commands	White
ER719-232-BH	RS232	9-12V DC	Serial commands	**Black**
ER719-232-WH	RS232	9-12V DC	Serial commands	White
ER719-485-BU	RS485	5V DC	Serial commands	**Black**
ER719-485-WU	RS485	5V DC	Serial commands	White
ER719-485-BH	RS485	9-12V DC	Serial commands	**Black**
ER719-485-WH	RS485	9-12V DC	Serial commands	White

ER719-VCP-BU
- Power Supply Level
- Housing Color
- Interface
- Main Model

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7. ELECTROMAGNETIC COMPATIBILITY

The ER719 fulfils the following requirements of electromagnetic compatibility:
FCC, Part 15 and CE.

FCC-ID: 2A65J-ER719

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

CE Declaration of Conformity

This Information Technology Equipment has been tested and found to comply with

the following European directives:

The radio equipment meets the following essential requirements		Complied
Article 3(1)(a) ■ Safety	EN 62368-1: 2014+A11: 2017	Yes
Article 3(1)(a) ■ Health	EN IEC 62311: 2020	Yes
Article 3(1)(b) ■ EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.1.1 (2019-03)	Yes
Article 3(2) ■ Radio	ETSI EN 300 330 V2.1.1 (2017-02)	Yes

8. **Trademarks Notice**

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EHUOYAN — is a trademark of Ehuoyan Technology Co., Ltd.

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For more information, please visit: http://www.ehuoyan.com/english/default.asp
For sales office addresses, please send an email to: info@ehuoyan.com