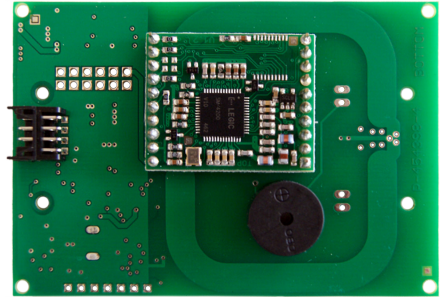


## LEGIC EMBEDDED READER R800



### PRODUCT DESCRIPTION

The LEGIC Embedded Reader R800 from iDTRONIC is a 5V reader with integrated antenna. It offers full LEGIC Prime and Advant support. Furthermore ISO 14443A/B as well as ISO 15693 transponders are backed.

The LEGIC Embedded Reader R800 can be equipped with a choice of different interface options. TTL, RS232 and various USB versions are available.

Depending on the reader configuration of the LEGIC Embedded Reader R800, a LEGIC or iDTRONIC SDK are provided.

#### ▶ APPLICATIONS

- Payment
- Access Control
- Ticketing

#### ▶ FEATURES

- TTL, RS232, USB, USB (HID)
- External Antenna
- Includes LEGIC or iDTRONIC SDK

#### ▶ RFID OPTIONS

- ISO 14443 A/B
- ISO 15693
- LEGIC Prime
- LEGIC Advant

## TECHNICAL DATA

### ELECTRICAL SPECIFICATIONS

Power Supply	5 VDC (± 5 % regulated)
Operating Distance	up to 8 cm (depending on tag and antenna type)
Built-in Antenna	External
Interfaces	TTL / RS232 / USB / USB (HID)

### MECHANICAL SPECIFICATIONS

Dimensions	80 × 56 × 10 mm
Weight	13 g (maximal)

### ENVIRONMENTAL CONDITIONS

Operating Temperature	-20 °C to +70 °C
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### 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
Certificates	FCC, CE

### 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

### SUPPORTED STANDARDS | TAGS

ISO 14443 A	Read/Write: MIFARE® Classic Mini / 1K /4K, MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® DESFire®EV1, MIFARE® Smart MX, MIFARE® Plus S / X, MIFARE® Pro X, NTAG 21x  Read UID only: Read UID only of all other ISO14443A RFID tags
ISO 14443 B	SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176
ISO 15693	EM4135, EM4043, EM4x33, EM4x35, I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)
LEGIC RF-Standard	Full read/write operation: LEGIC Advant; LEGIC Prime

## ORDER CODES

VERSIONS	ORDER CODES
LEGIC Embedded Reader M800 - TTL	OEM-LEG-R800-TTL
LEGIC Embedded Reader M800 - RS232	OEM-LEG-R800-232
LEGIC Embedded Reader M800 - USB FTDI	OEM-LEG-R800-USB-FTDI
LEGIC Embedded Reader M800 - USB FTDI (tunneled)	OEM-LEG-R800-USB-FTDI-D
LEGIC Embedded Reader M800 - USB (HID)	OEM-LEG-R800-USB-HID