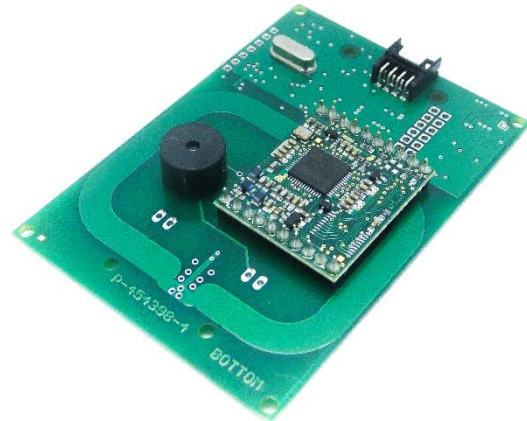


Datasheet

Multiplex LEGIC PCB



The PCB Multiplex LEGIC is a modern and user-friendly RFID reader for easy integration into different applications.

The Multiplex LEGIC series is designed as a desktop version and as an OEM board (PCB version) for easy integration into existing systems.

The Multiplex LEGIC readers are available with the following interfaces: **USB, RS232, TLL**

In the USB variant, the Multiplex LEGIC reader is available as **USB HID Keyboard Emulation, USB virtual COM Port** or as **transparent mode** with direct access to the LEGIC Chip.

Highlights:

- Integrated antenna
- Read mode and read/write mode
- LED and Beeper on board
- Firmware Upgrade possible
- Also available as Desktop reader in a housing

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Technical specifications	
Operating voltage	5V via USB 3,3V – 5V DC
Power consumption	<125 mA
Operating Frequency	13,56 MHz
Operating distances	up to 10 cm*
RF Antenna	Integrated
Status	2x LED 1x Beeper
Interface options:	USB HID (Keyboardemulation) USB virtual COM Port USB transparent mode USB PC/SC RS232 TTL

* Reading distance depends on tag and environmental conditions

Mechanical specifications	
Dimensions (Lx Bx H)	108 x 65 x 18 mm without USB cable
Weight	139 g (incl. USB cable)

Environmental conditions	
Operating temperature	- 20°C up to + 60°C
Storage temperature	- 20°C up to + 70°C
Humidity	up to 95%, non condensing

Supported Standards	
LEGIC [®] Prime	LEGIC [®] MIM 256 / MIM 1024
ISO 14443 A / B and compatible	LEGIC [®] Advant 1024 / 2048 MIFARE [®] Classic/1K/4K MIFARE Ultralight [®] /C MIFARE [®] DESFire [®] EV1/2M MIFARE [®] Plus S / X NTAG 21x
ISO 15693 and compatible	LEGIC [®] Advant 1024 / 2048 NXP I-Code SLI NXP I-Code SLI-S NXP NTAG 20x
Inside contactless	HID iClass
Sony Felica	
ISO18000	

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Application Standards	
EMC	EN 301489-1:2019-11 (v2.2.3) EN 301489-3:2019-03 (v2.1.1)
Radio Regulation	EN 300330 V2.1.1 (2017-02)
Safety	EC 62368-1:2014-10 + AC:2015
SDR	EN 62369-1:2009
EAS	EN 50364:2019
RoHS 2	EC Guideline 2011/65/EU and amendment 2015/863/EU, updated by 2017/2102/EU EN 50581:2012 (valid till 2024-07-07) EN 63000:2018
REACH	EU Guideline 1907/2006, updated by 2020/171/EU
Certificates	RED
Country of origin	Germany

Accessories (Optional)	
USB cable	ca. 2 m ca. 40 cm
RS232-/TTL cable	ca. 2 m

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