

Datasheet

Multiplex Mifare PCB



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

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

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

In the USB variant, the Multiplex Mifare reader is available as **USB HID Keyboard Emulation, USB virtual COM Port**.

Highlights:

- Integrated antenna
- Read 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 (Keyboard emulation) USB virtual COM Port RS232 TTL |

* Reading distance depends on tag and environmental conditions

| Mechanical specifications | |
|---------------------------|-----------------|
| Dimensions (Lx Bx H) | 80 x 56 x 10 mm |
| Weight | 26 g |

| 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 | |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

| 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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