

## Datasheet

### Multiplex EM PCB



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

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

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

In the USB variant, the Multiplex EM 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 5V DC
Power consumption	<125 mA
Operating Frequency	125 kHz
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	
EM 4200 and compatible	

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