



# MF7 Mifare Card Reader

## Introduction:

The **MF7** is a very high performance proximity reader. This well-designed reader is packed with technical features that have medium range capability and a small footprint. The **MF7** reader is the best choice for system integrators because of its wide range of power inputs (between 5V to 18V DC). Even at 5 Volts (DC), the **MF7** features a good reading range. The **MF7** reader also comes with a variety of **Three-In-One** interface, RS-232, MSR ABA TK2 and Wiegand interfaces allowing it to integrate with a variety of applications, especially security access control.

## Features:

- Contactless reading.
- Reading distance: up to 50mm
- Frequency: 13.56 MHz
- Read Mifare UltraLight and MF1 Standard cards
- Three -In -One interface, with Wiegand, MSR ABA TK2 and RS232 interfaces
- Fast data transfer
- Weather resistant
- High data integrity
- True anti collision
- User convenience
- Easy to install
- Available installed on metal surface
- Unique design

## Application examples:

- Access controls
- Security system
- ID card for admission control
- Personal Identification

? Mifare is a registered trademark of Philips Electronics N.V.

## Specifications:

### Electrical

- Power Requirements:  
5~18 Volts regulated DC at 200 mA maximum typical.  
? **A linear regulator is recommended.**
- Interface:  
Wiegand  
MSR ABA Track2  
RS232  
**Or special customized specifications .**
- Interface Cable - 90 cm
- Read **Mifare MF1** standard cards for 1204/4096 byte and **Mifare UltraLight** cards of EEPROM size 512bit for ISO 14443A
- Typical Maximum reading distance:  
Up to 50mm at 5~12V with **Mifare** card In ideal conditions .
- Operating frequency: 13.56MHz standard
- Read Only for Unique Serial Number / Unique Identifier  
ISO/IEC 14443 Type A
- External control Audio/ Visual Indication: Internal LED and Buzzer

### Mechanical

- Dimensions : 78 (L) x 43 (W)x 15(H)mm
- Housing material: ABS

### Environmental

- Operating temperature Range: -10 to 60 Deg C.
- Operating relative Humidity: 10 ~ 90%.