

iCard

Smart Access Series

QM-1002K(B)

QR Code & Mifare RFID Keypad Reader



INTRODUCTION

General

iCard QM-1002K(B) is an optimized high-performance QR code scanner and contactless smart card reader that can be used for many different applications, such as large-scale event access management, exhibitions, canteens, Internet purchases, ticket reservations, libraries plan, etc.

Using utilizes Mifare technology, iCard QR-1002K(B) is compatible with the traditional Wiegand interface but reduces the risk of compromised data or duplicated cards.

By the coded access key or unique serial number realizes the advanced security protection between the users and the system. The integrated keypad provides an additional level of security by allowing the use of a personal identification number (PIN).

iCard QM-1002K(B) provides both audio and visual feedback with integrated buzzer and LED indicators for user communication.

Key Features

- Specially used for **iCard** series access controller
 - Support static and dynamic QR code (generated by iOS/Android mobile APP)
- ISO 14443 Type A compatible
 - Fully compatible to Mifare Classic
- Card CSN
 - Enhance card security level
- Built-in 12 numeric keypads
 - Output format : 8 bit Wiegand
- Backlit touch keypad

Specifications

RFID Technology

Mifare Classic

RFID Frequency

13.56MHz

Read Card Response Time

Less than 0.2 second

Card Reading Distance

Up to 3cm

Power Requirement

12V DC, 500mA

Wiegand Output

34 bit (card) / 8 bit (keypad)

Operation Temperature

-10°C ~ 60°C

Relative Humidity

0%RH ~ 95%RH

Color

Black

Dimension

110mm x 65mm x 13mm

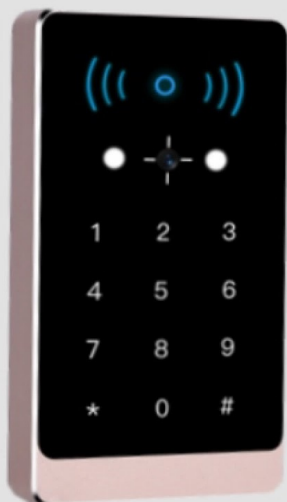
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Smart Access Series

QM-1002K

QR Code & Mifare RFID Keypad Reader

QR Code Access Reader



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Power Requirement

12V DC, 500mA

Wiegand Output

34 bit (card) / 8 bit (keypad)

Operation Temperature

-10°C ~ 60°C

Relative Humidity

0%RH ~ 95%RH

Color

Gold (Housing), Black (Panel)

Dimension

110mm x 65mm x 13mm

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- Card CSN
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- Built-in 12 numeric keypads
 - Output format : 8 bit Wiegand
- Backlit touch keypad
 - 9H tempered glass panel

Mifare[®] Contact less SmartCard Keypad Reader



Specifications

RFID Technology

Philips Mifare Technology

Frequency

13.56MHz

ISO Standard

ISO 14443A

Response Time

Less than 0.2 second

Power Requirement

12V DC, 100mA

Reading Distance

40mm up for Philips MifareOne Card

Operation Temperature

-10°C ~ +65°C

Relative Humidity

0%RH ~ 95%RH

Color

Black or White

Dimension

86mm x 86mm x 20mm

INTRODUCTION

Key Features

- ISO 14443 Type A Compatible
 - Fully Compatible to Mifare Classic
- Card CSN
 - Enhance Card Security Level
- Potted Electronics Protect
 - Against Harsh Weather and Vandalism
- Available in Black and White Cover
 - Matching Interior Design and Application
- Multi-Signal Connection and Output
 - Easy to Interface Different Type of Controllers
- Easy Installation Enclosure
 - Suit for European and Asian Size Single-Gang Electrical Back Boxes Installation

General

The *iCard* MF-1003K is a high performance and optimized contactless SmartCard reader for physical access control, time attendance and security.

Using utilizes Mifare technology, *iCard* MF-1003K is compatible with traditional Wiegand interface but reduces the risk of compromised data or duplicated cards.

By the coded access key or unique serial number realizes the advanced security protection between the users and the system. The integrated keypad provides an additional level of security by allowing the use of personal identification number (PIN).

iCard MF-1003K provides both audio and visual feedback with integrated buzzer and LED indicators for user communication. *iCard* MF-1003K is a compact square reader designed to mount directly to European and Asian size single-gang electrical back boxes. With a special weatherproof potted enclosure and long pigtail, allows easy installation in anywhere both in flush mount and wall mount application.



iCard

Smart Access Series

MF-1003

Mifare[®] Contact less SmartCard Reader



Specifications

RFID Technology

Philips Mifare Technology

Frequency

13.56MHz

ISO Standard

ISO 14443A

Response Time

Less than 0.2 second

Power Requirement

12V DC, 100mA

Reading Distance

40mm up for Philips MifareOne Card

Output Format

Wiegand 26 / 34 bit

Operation Temperature

-10°C ~ +65°C

Relative Humidity

0%RH ~ 95%RH

Color

Black or White

Dimension

86mm x 86mm x 20mm

INTRODUCTION

Key Features

- ISO 14443 Type A Compatible
 - Fully Compatible to Mifare Classic
- Card CSN
 - Enhance Card Security Level
- Potted Electronics Protect
 - Against Harsh Weather and Vandalism
- Available in Black and White Cover
 - Matching Interior Design and Application
- Multi-Signal Connection and Output
 - Easy to Interface Different Type of Controllers
- Easy Installation Enclosure
 - Suit for European and Asian Size Single-Gang Electrical Back Boxes Installation

General

The *iCard* MF-1003 is a high performance and optimized contactless SmartCard reader for physical access control, time attendance and security.

Using utilizes Mifare technology, *iCard* MF-1003 is compatible with traditional Wiegand interface but reduces the risk of compromised data or duplicated cards.

iCard MF-1003 provides both audio and visual feedback with integrated buzzer and LED indicators for user communication. *iCard* MF-1003 is a compact square reader designed to mount directly to European and Asian size single-gang electrical back boxes. With a special weatherproof potted enclosure and long pigtail, allows easy installation in anywhere both in flush mount and wall mount application.



MIFARE Contactless Smart Card Reader



Specifications

Frequency
13.56MHz

Output format
Wiegand 26 bit or 34 bit

LED / Buzzer indicators
Dual color LED (blue & green) /
Piezo buzzer

Power requirement
DC12V±15%

An electric current
100mA±10%

Reading Distance
Up to 1.5" (3.75cm)

Operation Temperature
-30°C ~ +50°C

Relative Humidity
30%RH ~ 90%RH

Color
Black

Dimension
4.83(H) x 10.26(W) x 2.86(D) cm

INTRODUCTION

Key Features

- Up to 1.5" (3.75cm) read range
- Card Serial Number (CSN) Wiegand 26 bit or 34 bit output format
- Epoxy potted
- ISO 14443 Type A compatible.

General

The IR-W10-MF Contactless Smart Card reader will read 13.56 Mhz MIFARE Contactless Smart Cards. The read distance is typically 1.5 inches (3.75 cm).

The IR-W10-MF affordable smart card reader utilizes MIFARE technology to read to contactless smart cards. Contactless smart cards are used for stored value or data applications, such as Access Control, Vending, Toll Roads, Airline Ticketing, Banking Cards, City Cards, ID Cards, University Cards, Loyalty schemes, Phone Cards, Park and Ride, and Prepaid Metering.

The IR-W10-MF Contactless Smart Card reader electronics modules is completely enclosed in a epoxy potting, making it both vandal proof and weather resistant.

The Wiegand output interfaces with all existing Wiegand protocol access control systems.