

MIFARE® Reader

- Contactless Smart Card Reader
- 6074A • Read Only • Mullion Size

For smart card projects that utilize MIFARE credentials, HID's MIFARE reader provides the ideal solution for physical access control applications. Whether you require MIFARE MAD, Sector or CSN (card serial number) capability, the reader can be configured for every installation requirement.

The reader is compatible with HID's 6055B MIFARE reader/writer and can be integrated into the same system. For existing installations, the 6074A is configurable with custom keys, sectors and Wiegand output data lengths.

With complete audio and visual annunciation, the reader provides users with system status that can also be controlled individually by the host.

The reader offers a stylish design matching HID's Prox reader housing for easy upgrades from proximity. The reader is completely sealed and suitable for indoor or outdoor mounting environments.

- Configurable as a MIFARE MAD, Sector or CSN Reader
- ISO 14443A MIFARE read-only
- Adjustable Wiegand output data lengths from 1 to 128 bits
- Compatible with Philips MIFARE, Ultralight and Infineon my-d MIFARE
- Use with HID 6055B reader/writer for complete installation flexibility
- Wiegand output easily interfaces with most existing Wiegand protocol access control panels.
- Easy Installation with built-in mounting plate



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Features

Mounting:

A two-part reader makes installations easier! Mounting plate attaches to mullion door frames or any flat surface. Cover snaps over reader body and secured with a mounting screw.

Audiovisual Indication:

A red LED flashes green and the beeper sounds when reader is presented with an HID MIFARE® Card. The multicolor LED and beeper can also be controlled individually by the host system.

Diagnostics:

On reader power-up, an internal self-test routine checks and verifies the setup configuration, determines the internal or external control of the LED and beeper, and initializes reader operation.

Indoor/Outdoor design:

Sealed in a rugged, weatherized polycarbonate enclosure designed to withstand harsh environments, providing reliable performance, and a high degree of vandal resistance.

Easily interfaced:

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

Card Compatibility:

HID MIFARE Cards (HID-encoded MIFARE cards)
HID Prox and MIFARE Cards (dual-technology: MIFARE and HID 125kHz proximity)
Infineon my-d MIFARE Cards (44R35 or 66R35)

Security:

48-bit read and write keys are extremely secure
Unique key pairs may be defined for each sector
Readers and cards must have matching keys
All RF data transmission between the card and reader is encrypted.

Warranty:

Warranted against defects in materials and workmanship for life from date of shipment (see complete warranty policy for details)

Part Numbers:

Base Part No.: 6074A

Description:

Tri-state LED, Internal Beeper On

Options:

- Color: (grey, beige, black, white)
- LED and beeper operation
- Custom label

(Please see "How to Order Guide for a description of the options and associated part numbers)

6074A

Function	Color
+DC	Red
Ground	Black
Data 0	Green
Data 1	White
Green LED	Orange
Beeper	Blue
Shield	Drain

Specifications:

Typical Maximum Read Range*

1.5" (3.75 cm)

*Depending on installation conditions.

Dimensions:

6.0" x 1.7" x 1.0" (15.2 x 4.3 x 2.54 cm)

Material: Polycarbonate UL 94

Power supply:

10-14 VDC

112mA @ 12 VDC

Linear power supply recommended.

Operating temperature:

-22° to 150° F (-20° to 65° C)

Operating humidity:

5%-95% relative humidity non-condensing

Weight:

3.8 oz. (108 gm)

Transmit frequency:

13.56 MHz

Certifications:

FCC Certification, United States

CE Mark, Europe

Australia C-Tick

New Zealand EMC

Cable distance:

Wiegand interface: 500 feet (150 m)

Recommended cable is ALPHA 1295 (22 AWG)

7 conductor minimum stranded with overall shield or equivalent.

Specifications subject to change without notice.

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