

Wiegand



Wiegand technology is widely recognized and field proven for over 18 years. The cards and readers are low cost and durable, with a high level of security

Wiegand effect is a pulse-generating phenomenon in a special alloy wire that is processed in such a way as to create two distinct magnetic regions in the same homogeneous piece of wire, referred to as a shell and a core. These two magnetic regions react differently to any applied magnetic field. The shell requires a strong magnetic field to reverse its magnetic polarity, whereas the core will revert under weaker field conditions. When the shell and core change to different polarity orientations, the Wiegand pulse is generated, and is sensed by a pickup coil (the reader). Due to the complexity of manufacturing the Wiegand wire, Wiegand cards are virtually impossible to duplicate and remain one of the most secure access control.

Wiegand Credentials

SensorCard

Wiegand swipe card for access control

- Combines Wiegand technology and offers photo identification capability on a single card
- Graphics quality surface optional for use with direct image printers
- Available in several thicknesses:
Standard - 0.037" (0.094 cm) Tuff - 0.047" (0.119 cm)



SensorCard II

Wiegand card with magnetic stripe

- Combines Wiegand technology and offers photo identification capability on a single card
- Magnetic stripe technology
- Graphics quality surface optional for use with direct image printers
- Available in ISO thickness - 0.03" (0.076 cm)



Pocket Tag

Wiegand access control tag

- Small enough to carry in a pocket or on a key ring
- For use with the Classic, Epic, Turnstile, and PinPad readers
- Dimensions: 2.09" x 2.215" x 0.047" (5.31 cm x 5.4 cm x 0.119 cm)



Sensor Key

Wiegand access control key

- Convenient key style Wiegand tag for use with low profile, in-the-wall Sensorkey reader
- Dimensions: 3.29" x 1.0" x 0.093" (8.35 cm x 2.54 cm x 0.24 cm)



ProxCard Plus

Wiegand and 125 kHz Proximity Card

- Combines Wiegand technology, proximity technology and photo identification capability on a single card
- Graphics quality surface for use with direct image printers
- Two-year warranty*



*See published sales policy for warranty details.



Did You Know?

You can easily transition from Wiegand to Proximity or iCLASS with combination technology cards like ProxCard Plus, MicroProx Tag or iCLASS Tag.

Wiegand Readers

Classic Swipe Reader

Most popular Wiegand swipe reader for access control



- Rugged Wiegand swipe reader
- Power requirements: 5-12 VDC
- Dimensions: 2.3" x 5.3" x 1.7" (5.8 cm x 13.5 cm x 4.3 cm)
- Slot width: 0.062" to 0.069" (1.6 mm to 1.75 mm)
- Available in black or beige



Epic Reader

Stylish Wiegand swipe reader for access control

- Ergonomic design for easy card pass through
- Power requirements: 5-12 VDC
- Dimensions: 2.66" x 5.86" x 1.5" (6.76 cm x 14.9 cm x 3.0 cm)
- Slot width: 0.062" to 0.069" (1.6 mm to 1.75 mm)
- Available in black



Insertion Reader

Flush mount Wiegand card reader for access control

- In-wall mounting for low profile installation
- Power requirements: 5-12 VDC
- Dimensions: 1.18" x 3.18" x 3.0" (3.0 cm x 8.1 cm x 7.6 cm)
- Slot width: 0.062" to 0.069" (1.6 mm to 1.75 mm)
- Available in chrome



PinPad Reader

Keypad Wiegand swipe reader for access control

- Combines Wiegand reader technology with a fully integrated keypad
- Keypad data output available in 8 and 26-bit formats
- Power requirements: 5-12 VDC
- Dimensions: 5.64" x 4.27" x 2.25" (14.3 cm x 10.9 cm x 5.7 cm)
- Slot width: 0.062" to 0.069" (1.6 mm to 1.75 mm)
- Available in black



Sensor Key Reader

Key Token Wiegand Insertion Reader For Access Control

- Low profile, in-the-wall reader for use with Sensorkey
- Power requirements: 5-12 VDC
- Dimensions: 1.62" x 1.5" x 2.0" (4.1 cm x 3.8 cm x 5.1 cm)
- Available in chrome



Turnstile Reader

High traffic Wiegand swipe reader for access control

- Mounts on either horizontal or vertical surfaces
- Ideal for office lobbies or other areas where turnstile access is required
- Power requirements: 5-12 VDC
- Dimensions: 1.75" x 7.0" x 1.75" (4.45 cm x 17.8 cm x 4.45 cm)
- Slot width: 0.062" to 0.069" (1.6 mm to 1.75 mm)
- Available in black or chrome (base in black only)

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else says "can't,"

we say "when."

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HID Global has the expertise and capacity to provide access control and secure identity solutions on any scope, anywhere in the world. Nobody offers more products, supports more technologies or has more credentials in use. And almost everything we make comes with a lifetime warranty. But at HID, we built our global business by thinking locally. We have people on the ground who understand the markets and can provide solutions and support to meet any conditions. When others say "can't," HID says "when." And we say it in the language of your choice.



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