

Wiegand

HID[®]/Sensor Compatible Wiegand Cards

WCCI

Secura Key is currently the sole supplier of Wiegand Cards to the access control industry, with the exit of HID[®] Global from the Wiegand manufacturing business.

Many access control customers continue to use the original Wiegand technology because the readers are reliable, weatherproof units, and the cards do not wear out. Wiegand cards are virtually impossible to counterfeit, can't be altered or copied, and are immune to external magnetic fields or RF interference. An embedded Wiegand code strip, containing small pieces of specially-processed wire, is laminated under pressure to create a solid vinyl card. Any attempt to reach the code strip destroys the card.

Secura Key Wiegand Cards (WCCI) are fully compatible with HID and Sensor Engineering Wiegand-effect swipe and insert readers, and are available in the popular SIA 26-bit Wiegand format, as well as other Wiegand formats up to 40 bits.

Secura Key Wiegand Cards are strong and flexible, resistant to breaking, and extremely reliable over a broad range of temperature and humidity ranges. They can be carried with credit cards in a wallet or purse.

Features:

- Compatible with HID[®] and Sensor Engineering swipe and insert readers.
- Cards encoded in popular 26-bit SIA Wiegand format as well as other Wiegand formats up to 40 bits.
- Multi-technology version available with Proximity or Contactless Smart Card technologies, such as eTag[®], MIFARE and DESFire.
- A variety of thicknesses are available for various applications.
- Carry with your credit cards in your wallet or purse.
- Strong and flexible for resistance to breaking.
- Custom multi-color graphics are available.
- Available with high coercivity magnetic stripe.



The Secura Key Wiegand Card has a standard CR80 form factor, which can be used in most direct image printers, allowing easy customization with multicolored graphics. It can be slot punched horizontally for easy use with a strap and clip as a photo ID badge. An un-encoded, high-coercivity laminated magnetic stripe is optionally available. The magnetic stripe meets ISO 7811 requirements. Custom artwork is also available as an option. External laser engraved card numbering is included.

Secura Key Multi-Technology Wiegand Cards incorporate both Wiegand and Proximity or various Contactless Smart Card technologies in a single package. This allows Wiegand card customers an upgrade path to proximity or Contactless Smart Card technology. The Proximity chip can be formatted for use with HID[®] or Secura Key prox readers. The e*Tag[®] chip is available with 2k bits of memory, and card data is DES encrypted using 64 bit diversified keys. Other 13.56 MHz chip technologies, such as MIFARE and DESFire are available. Contact factory for details.

HID[®], is a trademark or registered trademark of HID Global in the U.S. and/or other countries.

Description	Wiegand Card
Dimensions (CR-80)	2.125" x 3.375" x 0.037" (5.40 cm x 8.57 cm x 0.094 cm)
	0.037" is standard thickness. Other thicknesses are available-see ordering chart below.
Weight	0.20 oz (5.67 gm)
Card Construction	Thin, flexible polyvinyl chloride (PVC) laminate
Operating Temperature	-40° to 158° F (-40° to 70° C)
Operating Humidity	5-95% non-condensing
Card Data	40 bits max
Magnetic Stripe (optional)	Unencoded 2750 Oersted

ORDERING

WIEGAND SWIPE CARDS: PART NUMBERING SCHEME										
Technology	Config.	Style	Reader Type	Artwork	Numbering	Number Loc.	Finish	Mag Stripe	Mag Stripe Location	Slot
WC-Wiegand	CI-Card	10 (30 mil)	S-Swipe	C-Custom	M - Match Internal - ID only	F-Front	GA-Gloss All	B-on Back	T-Top	P-Portrait
	CS-Code Strip	11 (37 mil)	I-Insert	S-Secura Key Logos	N - Non-matching ID only	B-Back	MA-Matte All	F-on Front	B-Bottom	L-Landscape
		14** 47 mil (tuffcard)		N-None* (blank)	F-ID Matching, w/ Facility Code		GF-Gloss front	N-No Stripe	N-No Stripe	N-No Slot
		16** 47 mil (prox+wieg)			S - ID Matching, w/FC & Sales Order #		GB-Gloss Back			
		20*** 37 mil (HF+ wieg)			O - ID Matching, Omit FC with Sales Order #					
<p>Example Part Number: WCCI-11-SNMBGANNL = Wiegand Card, 37 mil thick, swipe reader, no artwork, laser numbering matches internal code, number on back, glossy both sides, no magstripe, no magstripe location, landscape slot.</p> <p>* No charge for standard artwork:(blank with slot punch crosshairs (AF 5816), blank with directional arrow (AF 4435) or blank with small Secura Key logo on back (AF 7883).</p> <p>** Verify that your printer can accept 47 mil thickness if these cards are to be Dye Sublimation printed with Photo ID.</p> <p>*** Style 20 can use Secura Key e*Tag[®] HF technology or most other 13.56 MHz technologies except HID[®] iCLASS. Call for information on MIFARE or DESFire technology.</p>										
<p>NOTE: Secura Key does not offer "zero-gap" Wiegand card encoding; if gaps in number sequence occur due to production fallout, additional cards will be supplied to fulfill the quantity ordered.</p>										