

HID® Formatted Proximity Cards & Key Tags (26/34/37-bit)

RKCIH / RKCMH / RKKTH



Radio Key® Proximity credentials are smart, reliable, and secure. Because they use Atmel® RF technology, they can easily be programmed in HID® formats. Radio Key® proximity credentials offer consistent read range, unaffected by body shielding or variable environmental conditions. Radio Key's® passive (no-battery) design allows virtually unlimited reads. Four HID® formats are currently available (see specifications) but if you need a format that we currently do not offer, contact the factory. Note that HID® formatted credentials cannot be read by standard Radio Key® proximity readers (RK-WM, RK-WS, RK-WL, RK65K), they can only be read by HID® Readers or Radio Key® Dual Technology Readers (RKDT-WS, RKDT-WM) or Standalones (RKDT-SA-M, RKET-SA-S).

Secura Key's Radio Key® proximity cards can be used for diverse applications such as access control, biometric verification, cashless vending, network log-on security, automotive vehicle identification and time and attendance, simply by using the card number as a reference to an external database.

The Radio Key® ISO Card (RKCIH) offers the ability to add photo identification directly on the credential. The Radio Key® ISO card is a standard CR80 form factor, and it also meets strict ISO 7810 dimensional and thickness standards for use with direct image and thermal transfer printers. The

ISO Card can be carried with credit cards in a wallet or purse. Use it with a strap and clip as a photo ID badge. It can be slot punched vertically or horizontally for easy use. The Radio Key® ISO Card is strong, flexible, and resistant to cracking and breaking. Available options include an unencoded magnetic stripe. External laser engraved card numbering is included.

The Radio Key® "Clamshell" Card (RKCMH) can stand up to rough usage while providing superior read range. The clamshell card has a standard CR80 form factor, with a thicker rugged ABS card body which also allows thicker antenna windings than the ISO card, resulting in superior read range. The clamshell card can be carried with credit cards in a wallet or purse. It includes a molded slot for a strap and clip allowing it to be used as an ID badge in a vertical orientation. Available options include an adhesive-backed graphics quality PVC label, which can be used with direct image and thermal transfer printers to add photo ID capability to the card. External laser engraved card numbering is included.

The Radio Key® Key Tag (RKKTH) provides the convenience of a thick, rugged black ABS key tag that is durable in a harsh environment. This key tag is the size of a typical automotive key and can be placed on a key ring or clipped on a lanyard. The Radio Key® key tag provides superior read range, equivalent to full-sized proximity cards. External laser engraved numbering is included.

Features:

- 125 kHz proven, reliable proximity technology.
- HID® non-proprietary (pass-through) card data formats up to 37 bits can be factory programmed into the credential.
- Provides an external number for easy identification and control.
- **ISO Card Features:**
 - Meets ISO 7810 thickness standards for use with all direct image and thermal transfer card printers.
 - Add a magnetic stripe or photo ID.
- **Clamshell Card Features**
 - Rugged shell withstands rough use.
 - Heavy gauge antenna coil provides superior read range.
- **Key Fob Features:**
 - Thick ABS housing provides durability in harsh environments.
 - Can be placed on a key ring or clipped to a lanyard for convenient entry.

Description	125 kHz ISO Proximity Card	125 kHz Clamshell Proximity Card	125 kHz Proximity Key Tag
Base Part Numbers	RKCIH-02 (HID® Format - Sequential numbering)	RKCMH-02 (HID® Format - Sequential numbering)	RKKTH-02 (HID® Format - Sequential numbering)
Dimensions	2.125" x 3.375" x 0.033" max. (5.40 x 8.57 x 0.084 cm)	2.125" x 3.375" x 0.065" max. (5.40 x 8.57 x 0.17 cm)	2.00" x 1.26" x 0.20" max. (5.08 x 3.20 x 0.50 cm)
Weight	0.19 oz (5.39 gm)	0.31 oz (8.79 gm)	0.22 oz (6.24 gm)
Card Construction	Thin, flexible polyvinyl chloride (PVC) laminate	Rugged ABS card body with PVC top label	Rugged black ABS housing, ultrasonically welded
Operating Temperature	-40° to 158° F (-40° to 70° C)		
Operating Humidity	5-95% non-condensing		
RF Interface	Frequency Shift Keying, 125 kHz		
Transaction Time	<100 ms typical		
Memory Type	EEPROM, read only		
Data Retention	10 years		
Warranty	Lifetime warranty. See complete warranty policy for details.		
Card Data	37 bits max		
Magnetic Stripe (optional)	Unencoded 2750 Oersted	NA	

ORDERING

CARDS

SK Part No.	HID® Part No.	Description
RKCIH-02-2	1386	ISO Proximity Card encoded (specify format)*; Standard: All White, Glossy for dye-sub printing
RKCIH-02-8	1336	ISO Proximity Card encoded (specify format and unencoded Mag Stripe option)*
RKCMH-02-2	1326	Clamshell Card encoded (specify format)
SK-IDL -100	--	Add Photo ID capability to RKCMH-02: 20 mil adhesive-backed white PVC label: print image with dye sublimation or thermal printer then slot punch and adhere to card

*RKCI OPTIONS

Custom Artwork (see card ordering guide)
Slot (Portrait or Landscape)
Photo Flap
Mag Stripe (High/ Low Coercivity)

KEY TAGS

SK Part No	HID® Part No.	Description
RKKTH-02	1346	Key Tag encoded (specify format)

FORMAT OPTIONS

SK Format No.	HID® Format No.	Description
Format 701	HID® H10301	SIA Standard 26-bit Wiegand
Format 702	HID® N10002	Honeywell/Northern 34-bit Wiegand
Format 703	HID® 10304	HID® 37-bit Wiegand with Facility Code
Format 704	HID® 10302	HID® 37-bit Wiegand, no Facility Code

(Please see Secura Key price list for a description of all options and associated part numbers).

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