RADIO KEY®

Proximity
Cards & Key Tags

RKCI / RKCM / RKKT

Radio Key® Proximity credentials are smart, reliable, and secure. They are compatible with all Radio Key® proximity readers. Radio Key® proximity credentials use proven reliable technology, offering consistent read range, unaffected by body shielding or variable environmental conditions. Radio Key® supports formats up to 40 bits, with over 1 trillion possible codes. Radio Key's® passive (no-battery) design allows virtually unlimited reads.

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 (RKCI) 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 (RKCM) 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 (RKKT) 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.

- Any existing card data format up to 40 bits can be factory programmed into the credential.

- Offers universal compatibility with all Secura Key proximity readers.

- Provides an external number for easy identification and control.

- Supports formats up to 40 bits, with over 1 trillion possible codes.

- 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	RKCI-01 (random numbering)* RKCI-02 (Sequential numbering with facility code)	RKCM-01 (random numbering)* RKCM-02 (Sequential numbering with facility code)	RKKT-01 (random numbering)* RKKT-02 (Sequential numbering with facility code)
Max Read Range** RK-WM RK-WS RK-WL	Up to 5.0" (12.70 cm) Up to 6.0" (15.24 cm) Up to 26.0" (66.04 cm)	Up to 6.0" (15.24 cm) Up to 8.0" (20.32 cm) Up to 36.0" (91.44 cm)	Up to 5.0" (12.70 cm) Up to 6.0" (15.24 cm) Up to 26.0" (66.04 cm)
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)	0.31oz (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	Amplitude 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	40 bits max		
Magnetic Stripe (optional)	Unencoded 2750 Oersted	NA	
* Random numbering required for RK600, RK600e and RK100 standalone readers only			
**Dependent upon installation conditions			

ORDERING

CARDS

RKCI-02-W26/W32	ISO Proximity Card encoded with 26 or 32 bit access control data
RKCI-02-W26/W32-MS	ISO Proximity Card encoded with 26 or 32 bit access control data with unencoded Mag Stripe
RKCM-02-W26/W32	Clamshell Card encoded with 26 or 32 bit access control data
RKCI-01	ISO Proximity Card encoded with random numbering
RKCI-01-MS	ISO Proximity Card encoded with random numbering with unencoded Mag Stripe
RKCM-01	Clamshell Card encoded with random numbering

KEY TAGS

RKKT-02-W26/W32	Key Tag encoded with 26 or 32 bit access control data
RKKT-01	Key Tag encoded with random numbering
RKCM-IDL	Add Photo ID capability to RKCM: 20 mil adhesive-backed white PVC label: print image with dye sublimation or thermal printer then slot punch and adhere to card

For Wiegand formats other than W26/W32 bit call factory

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