e*Tag®

Midrange Contactless Smart Card Reader

ET9-RO-W-MR

Secura Key's new e*Tag® Midrange Reader creates a new product category of cost-effective extended read range products for the contactless smart card reader market. The e-Tag® Midrange Reader provides up to an 8" read range for about the same price as competing wall-switch readers.

Contactless Smart Card technology is ideally suited for access control, time and attendance, membership/loyalty programs, logical (PC) access, storage of biometric templates, parking, ePurse, and many other applications requiring secure and reliable read/write cards.

e*Tag® Midrange readers use 13.56 MHz technology, and work with Secura Key encoded cards and key tags that meet the ISO 15693 international standard. Secura Key uses enhanced DES encryption which makes e*Tag® cards virtually impossible to counterfeit.

Cards are available with custom 4-color graphics, or with a glossy white dye-sublimation-ready finish for Photo ID printing. Key tags can also be custom printed. e*Tag® credentials have additional memory that can be used for various applications, with total memory ranging from 512 bits up to 10k bits.

The e*Tag® Midrange Reader has an SIA standard Wiegand output, compatible with most access control panels including the Secura Key SC-ACP. Industry standard wire colors and functions, plus low current draw and 5VDC operation allow easy upgrade of existing Wiegand or proximity readers. The Midrange includes a convenient wiring harness, which allows the reader to be plugged in when the installation is completed. The e*Tag® Midrange Reader is a weatherproof, epoxy-potted unit suitable for outdoors, and is UL294 listed and FCC/CE approved.

Features:

- ISO 15693 13.56 MHz Technology
- Card Data Encrypted Using DES with Diversified Keys
- SIA Standard Wiegand Output – Works with any Standard Access Control Panel
- Epoxy Potted for Superior Weather Resistance
- Single 2S or Dual 4S US J-Box mounting or European J-Box mounting
- Industry Standard Wire Colors and Functions for Easy Upgrade
- External LED and Buzzer Controls
- Low Voltage and Low Current Draw
- UL294, FCC, and CE Regulatory Approvals
- High-performance 32-bit ARM Cortex microcontroller

Midrange Contactless Smart Card Reader
SPECIFICATIONS

	ET9-RO-W-MR
Dimensions (L x W x H)	5.95" x 6.1" x 0.95" 15.1 x 15.5 x 2.41 cm
Mounting	US single or dual-gang box, European J-Box, wall, post
Weight	15.4 oz (436.58 gm)
Material	Polycarbonate
Color	Black
Power Requirements	100/200 mA avg/max. @ 5-14VDC
Bi-Color LED	Red and Green – Ground to Activate
Buzzer Control	Ground to Activate
Hold Line	Ground to Activate
Communications	Wiegand
Cable Required	up to 500 ft., 5-10 conductor (depending on options used); 18-22 AWG Shielded
Environmental	Operating Temperature: 40° F to +158° F (40° C to +70° C) Relative Humidity: 0-100% Non-Condensing
Operating Frequency	13.56 MHz
Reading Distance	ISO card up to 8" (20.32 cm) Key tag up to 5" (12.7 cm)
ISO Standard	15693
Data Encryption	DES with diversified keys
Operating modes	Read-only card data
Compatible Cards	ETCI (ISO), ETST (key tag), ETAT (adhesive label)
Regulatory Approvals	UL/cUL294, Part 15 Class B FCC, CE Mark, Canada Radio
Warranty	These Secura Key products are warranted against defects in materials and workmanship for life. Secura Key will replace any Secura Key manufactured product that fails to perform as intended. This warranty does not include freight, taxes, duties, or installation expenses. See price list for complete terms and conditions.price list for complete terms and conditions.

ORDERING

READERS:
ET9-RO-W-MR   Contactless Smart Card Midrange Reader
                  13.56 MHz, read-only, Wiegand output, black housing

CARDS/TAGS:
ETCI04-1   ISO Cards, Encrypted, 26 or 32 bit Wiegand data
ETCI04-4   ISO Cards, Encrypted, 26 or 32 bit Wiegand data (with unencoded magstripe)
ETST03-1   Compact Key tag, Encrypted, 26 or 32 bit Wiegand data
ETAT03-1   Adhesive Tag, Encrypted, 26 or 32 bit Wiegand data
ETCI04-1-25   Pack of 25 e*Tag® cards, 26 or 32 bit Wiegand data
ETST03-1-25   Pack of 25 e*Tag® key tags, 26 or 32 bit Wiegand data
Custom Graphics are available for cards and key tags