

Smart Readers

ET8-SR-X-D (Decorator) / ET8-SR-X-M (Mullion)



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, fuel management, data retrieval and many other applications requiring secure and reliable read/write cards.

e*Tag® Smart Readers are designed to work with custom software applications developed by original equipment manufacturers and systems integrators. Up to 100 units can be connected via RS-485 to a PC or microcontroller for a host-validated peer-to-peer system.

e*Tag® Smart Readers work with Secura Key e*Tag® encoded 13.56 MHz contactless smart cards and key tags. They can also work in UID-only mode with any ISO 15693 compliant contactless smart card.

e*Tag® cards use enhanced DES encryption, which makes them virtually impossible to counterfeit. e*Tag® credentials have memory ranging from 2K to 10K bits, and they meet the ISO 15693 international standard. The card ID can be up to 64 bits, allowing for a virtually unlimited number of cards.

The reader can send information to the host without being polled, eliminating the requirement for constant polling of the network.

When a card is presented to the reader, its ID number is sent in ASCII format to the host.

Features:

- ISO 15693 Open Standard 13.56 MHz Technology
- Mullion housing is Potted for Weather Resistance
- Decorator housing allows indoor J-box Mounting
- Four Inputs to Monitor Contact Closures
- Two open collector outputs to control external devices
- Solid State Relay to control door strike or other devices
- Host Controlled LED (Red/Green) and buzzer
- Read/Write Capability
- Connect up to 100 units on RS-485 Multi-drop Network

Input status changes are also sent to the host for processing. The host can then send commands back to the smart reader, based on the application, including timed relay, LED, and beeper activations.

The reader has a solid-state relay, plus four inputs and two open collector logic outputs, allowing access control or process control without panels or additional hardware. Inputs and outputs can also be user-configured to interoperate under local control.

e*Tag® technology also allows the host system to read and write to the card, and to store data for multiple applications in addition to access control.

e*Tag® Smart Readers include a convenient wiring harness, which allows the reader to be plugged in when the installation is completed.

An evaluation kit, complete with demonstration software, is available to those who would like to explore the product's capabilities. For software developers who wish to write an application, an API license is also available.

e*Tag® Smart readers are available in the new Decorator style Wallswitch housing (compatible with Leviton Decora® switch plates), or in a standard size mullion housing. The mullion housing is a weatherproof, epoxy-potted unit suitable for outdoor applications. Both models are UL 294 listed and FCC/CE approved

	ET8-SR-X-D-X Decorator	ET8-SR-X-M Standard Mullion
Dimensions (H, W, D)	4.50" x 2.75" x 0.7" 11.43 x 6.99 x 1.78 cm	4.38" x 1.74" x 0.9" 11.12 x 4.19 x 2.28 cm
Mounting	U.S. Single Gang Box	Mullion, Wall, Post
Weight	1.90 oz (53.86 gm)	3.42 oz (97.09 gm)
Material	ABS	
Color	White or Ivory	Black
Power Requirements	30/65 mA avg/max @ 5-14 VDC	
Bi-Color LED	Red/Green, Host Activated, Configurable	
Buzzer Control	Host Activated	
Communications	RS-485 Host Driven Protocol	
Cable Distance	4,000 ft. total system	
Cable Required	Communication: 2 twisted-pair, 22-24 AWG or CAT-5; I/O: 2-10 conductor, 22-24 AWG	
ISO Protocols	ISO 15693 Read/Write	
Card Compatibility R/W	e*Tag®, TI HF-1, Philips I-Code-SLI, ST Micro LRI, Infineon My-D, My-D Lite	
Regulatory Approvals	UL / cUL294, Part 15 Class B FCC, CE Mark, Canada Radio	
Read Range	ISO card up to 4" (10.16 cm) - Key tag up to 2.5" (6.35 cm)	
(2) Open Collector Outputs	Rating: 20 VDC @80 mA	
(1) Solid State Relay	Rating: 60V max - 1.0A AC/ 2.0A DC Host can latch or activate up to 1 hour and delay up to 1 hour	
(4) Contact Inputs	Ground to Activate	
Communications Protocol	Host-driven, RS-485 Multidrop, up to 100 nodes, Reader S/N = address	
Input/Output Linking (Local control – user configurable)	Card can activate Relay and/or Outputs 1 & 2; Inputs 3 & 4 can activate Relay, timed: 0-255 sec. Inputs 1 & 2 can activate Outputs 1 & 2, timed: 0-255 sec.	
Frequency	13.56 MHz	
Temperature Range	-40° to +70°C (-40° to +158°F)	
Relative Humidity	0 to 95% (non-condensing)	0 to 100% (non-condensing)
Warranty	These Secura Key products are warranted against defects in materials and workmanship for two years. 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.	

ORDERING

READERS

ET8-SR-X-M Smart Reader, Black, Mullion-Mount
 ET8-SR-X-D-I Smart Reader, Ivory, Decorator Wallswitch Style
 ET8-SR-X-D-W Smart Reader, White, Decorator Wallswitch Style

CARDS/TAGS

ETCI-W26 / W32 ISO Cards, Encrypted, 26 or 32 bit Wiegand data
 ETCI-W26 / W32-MS ISO Cards, Encrypted, 26 or 32 bit Wiegand data (with unencoded mag stripe)
 ETST-W26 / W32 Compact Key Tag, Encrypted, 26 or 32 bit Wiegand data
 ETAT-W26 / W32 Adhesive Tag, Encrypted, 26 or 32 bit Wiegand data
 ETCI-W26 / W32-25 Pack of 25 Cards, Encrypted, 26 or 32 bit Wiegand data
 ETST-W26 / W32-MS Pack of 25 Key Tags, Encrypted, 26 or 32 bit Wiegand data
Custom Graphics are available for cards and key tags

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Secura Key
 Smart. Reliable. Secure.