

EI 843-Family

Mifare Access Reader

The EI 843 Family of readers supports a display and a keypad. The family comprises of four versions.

1. Weigand interface to communicate with a door controller of your choice.
2. Weigand cum Bio Authentication to communicate with a door controller of your choice.
3. Comprehensive reader with built-in controller with RS 485 interfaces.
4. Comprehensive reader cum Bio Authentication with built-in controller with RS 485 interfaces.

Card holder's id and fingerprint template is encoded directly into the contactless smart card, which is secured with encryption keys protecting the card holder's information from being compromised

The EI 843 Family offers high level security by combining leading edge fingerprint scanning technology for secure user verification and authentication. Hence, Access through lost or stolen cards is eliminated.

The cardholder's template is read from the card and compared against the live finger, verified for a match and accordingly access granted/denied. The above feature eliminates the need for a database of the templates.

The 'Match on Card' method improves performance by minimizing verification time and eliminates privacy concerns. The 1:1 'match on card' method eliminates False Acceptance Rates (F.A.R) providing a more accurate result than a 1: N (1 to many) system.



SALIENT FEATURES

- Conforms to ISO (ISO 14443A) (Type 1, 2, 3) (Type 4 on request) Type 4 comprises of reader response to OS Cards. We can offer readers responding to Mifare DESFIRE 4KB Cards, Other proprietary OS Cards on request or open standard JAVA Cards.
- Fast verification and authentication processing time; less than one second.
- Audio feedback.
- Tri-colour LED Indication.
- Backlit LCD Display.

SPECIFICATIONS

	EI 843w	EI 843 Biow	EI 843		EI 843 Bio	
Reader output	Wiegand	Wiegand	Wiegand, RS 232, RS 485. (TCP/IP optional)		Wiegand, RS 485 Interface. (TCP/IP optional)	
Inputs optically isolated	3	3	4		4	
Relay output - 2 Amps 24 volts DC, NO/NC Contacts	N/A	N/A	3		3	
Power requirement	12 - 14Vdc					
Current consumption						
- Normal	100 ma	100 ma	150 ma		150 ma	
- Activated	110 ma	200 ma	160 ma		220 ma	
Read range	40 – 60 mm					
Operating temperature	0°C to + 55°C (32°F to 131°F)					
Relative humidity	90% max, operating non-condensing					
Reader dimensions	190 mm H x 105 mm B x 115 mm D (max)					
Status LED's	Tri-colour LED (Amber, Green & Red)					
Display	Backlit two line LCD Display (2 Lines 16 Characters 4mm Height)					
Audible Annunciator	Buzzer					
Weight (approx.)	750 gms					
Color	Superfine Silver & Charcoal Gray Color					
Finger Sensor	N/A	Optical Bio. Finger Template Size 170 Bytes / 256 Bytes	N/A		Optical Bio. Finger Template Size 170 Bytes / 256 Bytes	
F.A.R	0.01%					
F.R.R	0.01%					
Memory (in KByte)	N/A	N/A	128	512	128	512
Card Holders Database	N/A	N/A	4000	16000	3600	14400
Transaction Storage	N/A	N/A	6000	24000	6000	24000
Warranty Policy	Warranty for 1 year against defective workmanship					

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