

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

© Copyright 2010 Electron India. All rights reserved. No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of Electron India. The information contained herein may be changed without prior notice. Mifare® is a registered Trademark of Phillips Corporation.

## Electron India

ISO 9001: 2008 Certified

Type-II, Unit No: 9, Dr V.S.I Estate,  
Thiruvanmiyur, CHENNAI – 600 041  
☎ +91 (44) 22541392, 22542517.  
Fax +91 (44) 22541803.  
E-mail: email@electronindia.com  
URL: www.electronindia.com

