

EI 843-Bio*Mifare Access Reader*

The EI843-Bio 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.

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 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 to 1: N (1 to many) systems.

The EI843 Bio reader is available in two different versions.

- 1) The Weigand version to interface with a door controller of your choice.
- 2) The RS 485 version to be networked.

**SALIENT FEATURES**

- Conforms to ISO (ISO 14443A) (Type 1, 2, 3) (Type 4 on request) (13.56 MHz).
- No fingerprint database required, "One to One" fingerprint verification.
- Leading edge optical based sensor technology.
- Fast verification and authentication processing time; less than one second.
- Audio feedback.
- Tri-colour LED Indication.
- Backlit LCD Display.

Innovation For India's Growth

SPECIFICATIONS

Reader output	RS 485 Interface. (TCP/IP optional)
Inputs	4 inputs optically isolated
Replay outputs	3 replays , 2 Amps 24 volts DC , NO/NC Contacts
Power requirement	12 - 14Vdc
Current consumption	350 ma
Read range	40 – 60mm
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	Piezzo Buzzer
Weight	750 gms approx.
Color	Superfine Silver & Charcoal Gray Color
Finger Sensor	Optical Bio. Finger Template Size 170 Bytes
F.A.R	0.01%
F.R.R	0.01%
Warranty Policy	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

