ROSSLARE
SECURITY PRODUCTS

AY-B1663   AY-B3663   AY-B4663

Mifare® Swipe Fingerprint (MOC) Reader Family

The Mifare® Fingerprint MOC Family uses a swipe biometric sensor to instantly verify fingerprint data with up to two biometric templates stored in the Mifare® card, ideal for highly secured facilities as well as other facilities that wish to heightens their security level. By storing the data only on a Mifare® Contactless card and not on a PC or other less secure databases, privacy is preserved. The unit's superior and compact designs allow installation in the most elegant of places. The readers are compatible with almost any access control system.

General Description

The Mifare® Fingerprint readers are small, elegant, accurate, swift, and cost effective; they provide a high level of security and preserve users' privacy.

The reader scans biometric data stored in a specific protected sector within a Mifare® smartcard, it then compares the data with a swiped finger and, once if verified, sends the card ID to a connected controller. This reader is compatible with most common Wiegand and Clock & Data formats, and can replace existing readers to save installation and migration costs.

Configuration and user cards are created using Rosslare's Smart Card programmer (CP-R25) and AS-B01 PC software application.

These products have the capability of being customized for most major projects.

Main Features

- Advanced, secure, multi-application functionality for intelligent installations
- Unlimited number of users
- Unique and reliable Match-On-Card technology
- Designed for indoor use (swipe sensor protection required for outdoor use)
- Easy to deploy in the field with the configuration card (Master card) for secure sector reading of data from the sectors
- Configurable multi output format, supports Wiegand 26-bit format and many more
- Compatible with CP-R25 USB Desktop Card Programmer and fingerprint enrollment
- PC software for Master and User Cards configuration (AS-B01)

ADVANCED FEATURES

- Reads Mifare® ISO14443 Type A, Standard cards
- Optical tamper sensor for case and wall tamper detection
- Fully compatible with Mifare® 1K and 4K credentials:
  - AT-T512 (1K ISO card)
  - AT-T513 (4K ISO card)
  - AT-T515 (1K tag)
- Configuration card allows setting of:
  - Format
  - Input control
  - Lockout parameters
  - Secret keys (KeyA)

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Product Specifications

ELECTRICAL SPECIFICATIONS	AY-B1663	AY-B3663	AY-B4663
• Operating Voltage Range:	6-16 VDC		
• Standby Input Current:	85mA		
• Maximum Input Current:	513mA		
• Tamper Output:	Open collector, active low, max sink current 32mA		
SENSOR SPECIFICATIONS			
• Array size:	192 x 4 pixels		
• Pixel pitch:	50 microns		
• Image resolution:	508 DPI		
OPERATIONAL SPECIFICATIONS			
• Inputs:	Programmable LED / Buzzer control Input, N.O, Dry Contact		
• Indicators:	Three blue LED indicators		
• Output Format:	Wiegand 26-bit, Wiegand 32-bit, Wiegand 34-bit, Wiegand 40-bit and Clock & Data		
• Built-In Proximity Reader:	Operating Frequency: 13.56 MHz		
• Compatible Cards:	Mifare® Compatible ISO-14443A		
• Max. Proximity read range:	1.57 in (40 mm)		
ENVIRONMENTAL SPECIFICATIONS			
• Operating Temperature:	-13°F to 140°F (-25°C to 60°C)		
• Operating Humidity:	5% to 90% (Non-Condensing)		
MECHANICAL SPECIFICATIONS			
• Dimensions: H x W x D	2.76 x 2.13 x 1.54 in 70.1 x 54.1 x 39.1 mm	3.31 x 2.13 x 0.82 in 84.1 x 54.1 x 20.9 mm	3.36 x 1.99 x 1.06 in 85.4 x 50.6 x 27 mm
• Weight:	0.18 lbs (81.5 g)	0.23 lbs (106 g)	0.21lbs (94.5 g)

Family Images

The unit's come in various, unique compact designs.

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System Components

The Mifare® Fingerprint Match-On-Card (MOC) Readers are compatible with Rosslare's CP-R25 USB Desktop card programmer and its associated software, the AS-B01 Card Programming PC Software.

The readers are compatible with Rosslare's controllers (e.g. AC-225, AC-215) as well as with various third party systems. Compatible with Rosslare's AT-T512, AT-T513, and AT-T515 Cards & Tags.

AC-225   CP-R25   AT-T515

Additional Information

The readers are covered by Rosslare's 2-year Limited Product Warranty.
For sales information or product documentation, please visit our website:
http://www.rosslaresecurity.com.

Mifare® is a Trademark of NXP Semiconductors