AY-Bx663

MIFARE Classic® EV1 Swipe Fingerprint (MOC) Reader Family

reddot design award

AY-B4663   AY-B1663   AY-B3663

The MIFARE Classic® EV1 fingerprint MOC Family uses a swipe biometric sensor to instantly verify fingerprint data with up to two biometric templates stored in the MIFARE Classic® EV1 card, ideal for highly secured facilities as well as other facilities that wish to heightens their security level. The readers are compatible with almost any access control system.

GENERAL DESCRIPTION

The MIFARE Classic® EV1 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 Classic® EV1 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 Classic® EV1 ISO14443 Type A, Standard cards
- Optical tamper sensor for case and wall tamper detection
- Fully compatible with MIFARE Classic® EV1 1K and 4K credentials
- Configuration card allows setting of:
  - Format
  - Input Control
  - Lockout parameters
  - Secret keys (KeyA)

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

▪ Operating Voltage Range	5–16 VDC
▪ Standby Input Current	85 mA
▪ Maximum Input Current	300 mA
▪ Tamper Output	Open collector, active low, max. sink current 32 mA

SENSOR SPECIFICATIONS

▪ Array Size	192 x 4 pixels
▪ Pixel Pitch	50 microns
▪ Image Resolution	508 DPI

OPERATIONAL SPECIFICATIONS

▪ Inputs	Programmable LEDs / buzzer control input, N.O, Dry Contact
▪ Indicators	3 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 Classic® EV1 Compatible ISO-14443A
▪ Max. Proximity Read Range	4 cm (1.6 in.)

ENVIRONMENTAL SPECIFICATIONS

▪ Operating Temperature Range	-25°C to 60°C (-13°F to 140° F)
▪ Operating Humidity Range	5% to 90% (non-condensing)

MECHANICAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS	AY-B1663	AY-B3663	AY-B4663
▪ Dimensions (H x W x D)	85.4 x 50.6 x 27 mm (3.4 x 2.0 x 1.1 in.)	84.1 x 54.1 x 20.9 mm (3.3 x 2.1 x 0.8 in.)	70.1 x 54.1 x 39.1 mm (2.8 x 2.1 x 1.5 in.)
▪ Weight	65 g (2.3 oz)	90 g (3.2 oz)	90 g (3.2 oz)

SYSTEM COMPONENTS	The MIFARE Classic® EV1 Fingerprint (MOC) Readers are compatible with Rosslare's CP-R25 USB Desktop card programmer. The Readers are compatible with Rosslare's controllers as well as various third party systems.
PRODUCT WARRANTY	2-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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