AY-B1660 & AY-B2660

MIFARE Classic® EV1 Capacitive Fingerprint (MOC) Reader Family

The MIFARE Classic® EV1 fingerprint family uses a capacitive (MOC) 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 heighten their security level.

GENERAL DESCRIPTION

The MIFARE Classic® EV1 capacitive fingerprint readers are small, elegant, accurate, swift and cost effective; they provide a high level of security and preserve users' privacy.

The readers scan biometric data stored in a specific protected sector within a MIFARE Classic® EV1 smartcard, it then compares the data with a presented finger and, once 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-R26) and AS-B01 PC software application.

These products can be 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 (capacitive sensor protection required for outdoor use)
- Easy to deploy in field with configuration card (Master card) for secure sector reading of data from sectors
- Configurable multi output format, supports Wiegand 26-bit format and many more
- Compatible with Rosslare's CP-R26 USB Desktop Card Programmer and fingerprint enroller
- PC software for Master and User Card configuration (AS-B01)
- Reads MIFARE Classic® EV1 ISO14443 Type A, standards 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)

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

▪ Operating Voltage Range	5–16 VDC
▪ Standby Input Current	60 mA
▪ Maximum Input Current	135 mA
▪ Tamper Output	Open collector, active low, max. sink current 32 mA

SENSOR SPECIFICATIONS

▪ Array Size	208 x 288 sensors
▪ Capture Rate	15 frames per second
▪ Image Resolution	508 DPI

OPERATIONAL SPECIFICATIONS

▪ Inputs	2 programmable LEDs / buzzer control input, N.O, Dry Contact
▪ Indicators	2 three color LEDs
▪ 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	30% to 85% (non-condensing)

MECHANICAL SPECIFICATIONS	AY-B1660	AY-B2660
▪ Dimensions (L x W x H)	100 x 54 x 42 mm (3.9 x 2.1 x 1.7 in.)	102 x 54 x 32 mm (4.0 x 2.1 x 1.3 in.)
▪ Weight	79 g (2.8 oz)	156 g (5.5 oz)

SYSTEM COMPONENTS	The MIFARE Classic® EV1 Fingerprint (MOC) Readers are compatible with Rosslare's CP-R26 USB Desktop card programmer and its associated software, the AS-B01. 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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