

AY-B1660, AY-B2660

Mifare® Capacitive Fingerprint (MOC) Reader Family



THE MIFARE® FINGERPRINT FAMILY USES A CAPACITIVE (MOC) 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 HEIGHTEN THEIR SECURITY LEVEL.

GENERAL DESCRIPTION

The Mifare® 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® 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® ISO14443 Type A, standards 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)
- Configuration card allows setting of:
 - Format
 - Input Control
 - Lockout parameters
 - Secret keys (KeyA)

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating voltage range	5-16 V DC
■ 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: 13.56MHz
■ Compatible Cards	Mifare [®] Compatible ISO-14443A

ENVIRONMENTAL SPECIFICATIONS

■ Operating temperature	-13°F to 140°F (-25°C to 60°C)
■ Operating humidity	30% to 85% (non-condensing)

MECHANICAL SPECIFICATIONS

■ Dimensions (L x W x H)	3.94 x 2.13 x 1.65 in. (AY-B1660: 100 x 54 x 42 mm) 4.02 x 2.13 x 1.26 in. (AY-B2660: 102 x 54 x 32 mm)
■ Weight:	AY-B1660: 2.787 Oz (79 g) AY-B2660: 5.503 Oz (156 g)

SYSTEM COMPONENTS

The Mifare[®] 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 (e.g. AC-225, AC-215 and AC-525) as well as various third party systems.

Compatible with Rosslare's AT-T512, AT-T513 cards

PRODUCT WARRANTY

2-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

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