

AYC-B7661

MIFARE Classic® EV1 Full-Finger Capacitive Biometric Reader/Controller



Rosslare's AYC-B7661 is a standalone biometric reader/controller. The AYC-B7661's sensor verifies between fingerprint data and a biometric template stored in the unit. The AYC-B7661 is convertible; it can work as a reader or as a standalone controller and supports 1:1 or 1:N technologies.

GENERAL DESCRIPTION

The MIFARE Classic® EV1 capacitive fingerprint unit is small, elegant, accurate, swift, and cost effective. It provides a high level of security and protects users' privacy.

The unit scans biometric data and compares it with a presented fingerprint. Once verified, it sends the card ID to a connected controller (in Reader mode) or directly opens the lock strike (in Controller mode).

The unit supports 1:1 (MIFARE Classic® EV1 card reading followed by fingerprint) or 1: n (ID code derived from the fingerprint template) technologies.

The unit is compatible with most common Wiegand and Clock & Data formats. It can replace existing readers to save installation and migration costs.

MAIN FEATURES

- Supports 1:1 / 1:n technologies
 - Accepts up to 107 users
 - Optical tamper sensor for case and wall tamper detection
 - Designed for indoor use (capacitive sensor protection required for outdoor use)
 - Supports a Lockout feature for increased security
 - Configurable multi-output format, supports Wiegand 26-bit format and many more
 - Compatible with Rosslare's CP-R26 Desktop Card Programmer
 - Reads MIFARE Classic® EV1 ISO14443 Type A standard cards
 - Fully compatible with MIFARE Classic® EV1 1K and 4K credentials
- Advanced, secure, multi-application functionality for intelligent installations
 - Convertible – It can work as a Reader or as a Standalone Controller (No PC is required)

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC
■ Standby Input Current	80 mA
■ Maximum Input Current	100 mA
■ Tamper Output	Open collector, active low, max. sink current 32mA

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

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

■ Dimensions (L x W x H)	102 x 54 x 32 mm (4.0 x 2.1 x 1.3 in.)
■ Weight	156 g (5.5 oz)

SYSTEM COMPONENTS

The AYC-B7661 is compatible with Rosslare's CP-R26 Desktop card programmer and its associated software, the AS-B01. The unit is 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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