

AY-Q6250

Anti-Vandal MIFARE® Contactless Smartcard Reader



The new AY-Q6250 is an anti-vandal MIFARE® smart card contactless reader, which provides the capability of serial ID reading of MIFARE® cards to any standard access control system. With 7 programmable output formats, it fits almost any existing system needs and required read information, making it a very simple, reliable, and cost effective way to upgrade your system to smart card standard.

This fully-sealed, epoxy-potted unit provides a weatherproof and vandal-resistant solution for extremely harsh environments.

GENERAL DESCRIPTION

The affordably priced AY-Q6250 reader is a contactless Serial ID Only reader that functions by reading the MIFARE® ID format protocol via a variety of 13.56 MHz cards and tags. The unit is designed for easy mounting with hidden screws (security screws may be used to enhance strength) and cover. Optical tamper adds protection against wall removal, and the buzzer adds audible RFID card read notification. LED control provides system based information to the end user.

MAIN FEATURES

- Incorporates the ISO-14443A (MIFARE®) ID Format Protocol
- Reads range of up to 45 mm (1.8 in.)
- High strength design, epoxy-potted, fully-sealed within an all-metallic housing

- Multiple, programmable output formats including standard Wiegand 26-Bit
- Selectable LED control or buzzer control functions

PROFESSIONAL GRADE FEATURES

- Optical tamper sensor and output for cover and wall tamper detection
- Bi-colored LED and LED control input
- Internal buzzer
- PC software and programming adapter (MD-08B) for easy configuration of the unit
- Comes with mounting template for easier installation
- Water-resistant with epoxy potting (IP65) suitable for indoor and outdoor applications

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC, from a regulated power supply.
■ Standby Input Current	60 mA
■ Maximum Input Current	100 mA
■ Proximity Card Reader	Max. read range: 45 mm (1.77 in.) Operating Frequency: 13.56 MHz Compatible Cards: MIFARE® Compatible ISO-14443A
■ Tamper Output	Open collector, active low, max. sink current 32 mA

OPERATIONAL SPECIFICATIONS

■ Inputs	Programmable LED control/buzzer control Input, N.O, Dry Contact
■ Indicators	Bi-colored LED indicators
■ Output Format	Programmable multi-format: Wiegand 26-Bit w/site code, Fixed 26-Bits, 32-Bit, 32-Bit Reversed, 34-Bit, 40-Bit, and Clock & Data.

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Water resistant, suitable for outdoor use (IP65)
■ Operating Temperature	-31°C to 63°C (-25°F to 145°F)
■ Operating Humidity	0% to 95% (non-condensing)

PHYSICAL SPECIFICATIONS

■ Dimensions (H x W x D)	120 x 76 x 22 mm (4.72 x 3 x 0.97 in.)
■ Weight	500 g (1.1 lb)

SYSTEM COMPONENTS

The AY-Q6250 is compatible with a variety of Rosslare's controllers (AC-225, AC-215, AC-115, etc.) and with many third-party systems, and is compatible with Rosslare's AT-T511, AT-T521 & AT-T531 Ultralight (64 bytes), 1K and 4K MIFARE® cards.

PRODUCT WARRANTY

5-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).

www.rosslaresecurity.com

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