

# AYC-x6355

CSN SELECT™ Convertible Smart Card Readers (Rev. B)

**CSN**  
SELECT



AYC-M6355



AYC-H6355



AYC-Q6355

The CSN SELECT™ AYC-x6355 is a series of multi-credential technology contactless smart card (13.56 MHz) readers with backlit keypad for use in access control system solutions and includes Rosslare's convertible technology. They support access by an NFC compatible Android smartphone app\*. The readers have the flexibility to read the Card Serial Number (CSN) from many smart card RFID standards, perfect for transitioning from one technology to another. UV resistant and with an IP65 rated sleek and modern design, the readers can be used comfortably in any installation environment whether indoors or outdoors.

## GENERAL DESCRIPTION

The standard AYC-x6355 readers are configured to read the CSN of the most popular smart cards in the security industry, as well as NFC compatible Android smartphones, and output the CSN in Wiegand format. Dual-authentication is available when both RFID smart cards and keypad PIN entries are combined.

Four individual control lines provide green LED control, red LED control, and buzzer control inputs, as well as an output for the optical wall tamper detector. The readers can communicate with host controllers that support the Open Standard Device Protocol (OSDP). With convertible technology, the AYC-x6355 can automatically become a 500-user secure standalone controller when attached to a PS-x25T secure series intelligent power supply.

## MAIN FEATURES

- Selectable Wiegand output formats using the CS-HCT Hardware Configuration Tool for the DR-6255 application
- Eight keypad transmission formats are available and can be locally selected via keypad programming
- Mounting options include US gangbox and UK/Asia gangbox.
- Features Rosslare's convertible technology
- NFC Android Smartphone is supported with the Android App for Host Card Emulation (HCE)

- Read the CSN from the following smart cards:
  - ISO14443A - MIFARE® Ultralight® Nano / Ultralight EV1/ Ultralight C
    - MIFARE Classic® / Classic EV1
    - MIFARE Plus® S / SE / X / EV1
    - MIFARE DESFire® EV1 / EV2
    - NFC N-TAG / Card Emulation
  - ISO14443B - China National ID
  - ISO15693 - HID® iClass®, PicoPass, iCode, LEGIC
  - ISO18092 - SONY® FeliCa® (Hong Kong Octopus)

## PROFESSIONAL GRADE FEATURES

- Sleek and modern design
- Addressable OSDP connectivity, up to 32 addresses using DIP switches
- Customizable control and status lines available with the CSN SELECT™ Configuration Card Tool for DR-6255
- Two tri-colored LED operation
- Optical wall tamper detection
- Blue backlit keypad with power saving options (On, Off, Dimming)
- IP65 rated and made of tough polycarbonate UV-resistant plastic
- Comes with mounting template and installation kit for easy installation

\* Please refer to NFC App datasheet for further information

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SECURITY PRODUCTS

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	8 to 16 VDC from a regulated power supply
■ Current at 12 VDC	AY-MH6355: Standby 120 mA, Maximum 160 mA AY-Q6355: Standby 145 mA, Maximums: 200 mA
■ Read Range*	AY-H/M6355: 9 cm (3.5 in.) AY-Q6355: 5 cm (2.5 in.)
■ Tamper Output**	Open collector, active low, max. sink current 16 mA
■ Control Inputs**	Dry Contact, N.O.
■ Keypad	3x4 matrix backlit keypad (used also for local programming )
■ Reader Data Output Formats	CSN Wiegand 26-Bit*** and keypad with eight common output formats RS485 – OSDP

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Weather-resistant, UV-resistant, meets IP65, epoxy-potted, suitable for indoor and outdoor use
■ Operating Temperature Range	-35°C to 66°C (-31°F to 150°F)
■ Operating Humidity Range	0% to 95% (non-condensing)

PHYSICAL SPECIFICATIONS	AYC-M6355	AYC-H6355	AYC-Q6355
■ Dimensions (H x W x D)	89.5 x 88.5 x 18.3 mm (3.5 x 3.5 x 0.7 in.)	110.7 x 75 x 18.2 mm (4.4 x 3 x 0.7 in.)	120 x 76 x 21.5 mm (4.7 x 3 x 0.9 in.)
■ Weight	169 g (5.9 oz.)	185 g (6.5 oz.)	430 g (15.2 oz.)

## SYSTEM COMPONENTS

The AYC-x6355 readers are compatible with a variety of Rosslare controllers, as well as with many third-party access control systems supporting Wiegand or OSDP interfaces.

## PRODUCT WARRANTY

5-Year Limited Product Warranty

- \* Measured using a Rosslare MIFARE Classic EV1 (ISO Card). Read range with other credential technologies may vary. Range also depends on electrical environment and proximity to metal.
- \*\* Control Lines are factory programmable and can be custom configured upon request.
- \*\*\* Standard readers output the Wiegand CSN data in 26-bit format by default. Other formats such as Clock & Data and Wiegand 32-, 32R-, 34-, 40-, 56-, and 64-Bit can be selected using the CS-HCT Hardware Configuration Tool for the DR-6255 application or locally selected via keypad programming. Custom formats are available upon request.

## 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.

[www.rosslaresecurity.com](http://www.rosslaresecurity.com)

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