AY-H6255BT

CSN SMART™ Smart Card Reader with Rosslare NFC-ID™ and Rosslare BLE-ID™ (Rev. A)

CSN SMART

NFC

Bluetooth® BLE 4.1

The innovative AY-H6255BT reader from Rosslare's CSN SMART™ series features support for three types of credentials – Rosslare BLE-ID™, Rosslare NFC-ID™, and 13.56 MHz RFID contactless UID. Featuring IP-65 (all-weather potted) construction, it is ideal for general purpose access control installations that want to take advantage of the latest convenience and flexibility features of mobility.

GENERAL DESCRIPTION

The AY-H6255BT advertises a BLE beacon with 2 services. The BLE-ID to Wiegand service accepts Rosslare BLE-ID credential apps, and the BLE-Admin service accepts configuration connection from Rosslare BLE-Admin™ apps. The built-in 13.56 MHz reader can read the CSN of the most popular 13.56 MHz smart cards in the security industry, as well as Rosslare NFC-ID using Rosslare's APP-A415 Rosslare NFC-ID credential app for Android. For higher security, dual factor authentication is possible by combining any two credentials, or our secure cloud credentials service. The apps for Android and iOS smartphones are published on Google Play or App Store and recommended for general purpose access control applications. The AY-H6255 produces selectable bit-length Wiegand format from 26-Bit to 64-Bit on a standard Wiegand wired connection and supports the Open Standard Device Protocol (OSDP) connection. Four individual control lines provide green LED control, red LED control, buzzer control, and optical tamper signals.

MAIN FEATURES

- NFC-ID is supported with Rosslare's APP-A415 NFC-ID Credential App for Android in Host Card Emulation (HCE) mode*
- BLE-ID is supported with Rosslare BLE-ID credential apps for iOS and Android OS*
- Eight keypad transmission formats are available
- Mounting options for US gang-box
- Programmable using configuration cards, made with the CS-CCT Hardware Configuration Tool for Windows 10 and the DR-6255 desktop reader/programmer
- Reads 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, superior mechanics, 10-wire 56 cm (22 in.) cable
- Addressable OSDP connectivity, up to 32 addresses using DIP switches
- Compatible with CS-HCT Hardware Configuration Tool for Windows application
- Two tri-colored LED indicators / 1 audible buzzer
- 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 and BLE-ID apps datasheets for further information

ROSSLARE SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Operating Voltage Range	8 to 16 VDC from a regulated power supply
Current at 12 VDC	Standby 90 mA, Maximum 200 mA
Read Range*	Contactless 13.56 MHz and NFC – Up to 7 cm (2.75 in.) Bluetooth BLE 4.1 Connection – Up to 12 m (39 ft) open air
Tamper Output**	Open collector, active low, max. sink current 16 mA
Control Inputs**	Dry Contact, N.O.
Reader Data Output Formats	CSN Wiegand 26-Bit*** and RS485 – OSDP

ENVIRONMENTAL SPECIFICATIONS

Operating Environment	Weather-resistant, UV-resistant, meets IP65, epoxy-potted, suitable for indoor and outdoor use
Operating Temperature Range	-20°C to 60°C (-31°F to 150°F)
Operating Humidity Range	0% to 95% (non-condensing)

PHYSICAL SPECIFICATIONS

Dimensions (H x W x D)	110.7 × 75 × 18.2 mm (4.4 x 3 x 0.7 in.)
Weight	190 g (6.7 oz.)

SYSTEM COMPONENTS	The AY-H6255BT reader is 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, and the Smartphone model used.

** Control lines are programmable using the CS-CCT Software and a configuration card by the installer.

*** 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.

www.rosslaresecurity.com

Scan to download the Rosslare BLE-ID™ app

Scan to download the BLE Admin app

NFC

Bluetooth

5505-0318101-00

CE

EN ISO 13485

TÜVRheinland CERT ISO 9001 ISO 14001

RoHS COMPLIANT

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