

# AY-U915BT

UHF SMART™ Long-Range UHF-RFID  
and Rosslare BLE-ID™ Reader

UHF  
SMART



Bluetooth®  
BLE 4.1

The AY-U915BT is a unique UHF-RFID credential reader with Rosslare BLE-ID™ credential read capability (for both iOS and Android). Installers can configure a wide range of operating parameters using our Rosslare BLE-Admin™ app. AY-U915BT brings a new level of convenience and productivity. The UHF read mode is ISO18000-6C (EPC GEN2) compliant. The reader is suitable for outdoor use in a wide range of RFID applications such as access control, transport management, vehicle management, car parking, and production process control, and works with almost every third-party controller. Choose Rosslare for professional “Security that lasts”.

## GENERAL DESCRIPTION

By reading both UHF and Bluetooth (BLE), the reader enables system integrators to develop new solutions, such as multi-factor authentication. The AY-U915BT can be configured to read up to 70 credentials within the read range, and to buffer the output to the host controller in Wiegand 26-Bit to 64-Bit or SIA OSDP.

The reader comes with an installation bracket kit for pole mounting, a 5-m-long 10-wire cable, and a switching power supply. The RS-485 OSDP wiring allows a maximum cable distance of 1000 m (3280 ft), and the Wiegand wiring allows a maximum cable distance to the host controller of 150 m (492 ft).

## MAIN FEATURES

- MD-81 functionality built in
- Wide range of UHF credential form factors available

- UHF read range up to 6 m (19 ft)
- Supports Bluetooth communication for Rosslare BLE-ID™ smartphone apps for Android and iOS
- Can read up to 10 credentials per second or down to 1 credential per second (programmable)
- IP65 for indoor and outdoor use
- RGB LED used for operational indication

## PROFESSIONAL GRADE FEATURES

- Supports OSDP reader profile according to v2.1.7 standard from Security Industry Association (SIA)
- Supports mobile Admin app for parameter configuration capability

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

|                                       |   |
|---------------------------------------|---|
| ■ Operating Voltage Range             | 9 to 12 VDC (2 A)   |
| ■ Input Current                       | Standby: 0.2 A max, Read: 1.2 A max   |
| ■ Credential Reading Distance*        | Up to 6 m (19 ft) (adjustable)<br>* Read range was tested with Rosslare's LT-UVS-26A-3000 card                            |
| ■ BLE-ID Credential Reading Distance* | Up to 12 m (39 ft) (adjustable) – Line of sight.<br>* Read range was tested with iPhone7 and Huawei P10                   |
| ■ Transmission Protocol               | Wiegand 26-Bit (Custom: Wiegand 34-Bit up to 64-Bit)  |
| ■ Maximum Cable Distance              | 150 m (500 ft) – Wiegand mode<br>1000 m (3000 ft) RS-485 – OSDP Mode  |
| ■ Frequency                           | AY-U915 BT US: 902–928 MHz (America) RFID<br>AY-U915 BT EU: 865–868 MHz (Europe) RFID<br>Bluetooth: 2.402-2.480 GHz       |
| ■ Hopping                             | The reader uses frequency hopping.  |
| ■ Read Sensitivity                    | Dual polarization read mode   |
| ■ Cards and Tags                      | Rosslare's LT-UVS-26A-3000 and LT-UVH-26A-7000<br>EPC GEN2 (ISO18000-6C) Tags<br>BLE credential using a mobile smartphone |

## ENVIRONMENTAL SPECIFICATIONS

|                            |  |
|----------------------------|--|
| ■ Operating Temp. Range    | -20°C to 80°C (-4°F to 176°F)                                |
| ■ Operating Humidity Range | 0 to 95% (non-condensing)<br>Suitable for outdoor use (IP65) |

## PHYSICAL SPECIFICATIONS

|              |  |
|--------------|--|
| ■ Dimensions | 29.5 x 29.5 x 3.2 cm (11.6 x 11.6 x 1.3 in.) |
| ■ Weight     | Gross: 3.4 kg (7.4 lb) ; net 2.8 kg (6.2 lb) |

## SYSTEM COMPONENTS

The AY-U915BT is compatible with standard access controllers. Packaging Includes AY-U915BT with 5-meter pigtail cable, Pole mounting bracket, screw kit, AC/DC 2 Amp power supply (gross).

## UHF CREDENTIALS

Please refer to the UHF credentials datasheet for additional details about the compatible UHF credentials.

## 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.

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

When installing the UHF credential inside a vehicle, make sure that the vehicle is not RF proof.

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