DR-U955BT

Multi-technology Desktop Reader

Introduction

The DR-U955BT is part of Rosslare's UHF SMART™ series of products. It is an innovative USB enrollment station that features three-in-one access control credential technology, making it easier than ever to deploy the latest in access control systems. The DR-U955BT reads a wide range of 13.56 MHz multi-format smart cards, UHF EPC-Gen2-6C, and Rosslare BLE-ID™ credentials (Facility code, Credential ID), and transmits the credential to the connected access control software, such as Rosslare's AxTraxNG™. Its configurable software allows you to choose a unique output for each system.

General Description

This credential enrollment device features a very low power radio, which can read UHF tags (up to 5 cm), BLE-ID (up to 12 m) and 13.56 MHz smart cards (up to 5 cm) for enrolling the physical credentials to the networked physical access control system (PACS).

The DR-U955BT has a slim design with an RGB LED and indication buzzer. It features a fixed one-meter cable with a USB-type A serial connector. It is quick and easy to install and runs without any additional power source. It is designed to sit safely on any desktop. The DR-U955BT is sturdily built with surface-gripping rubber feet. With its flat form factor, it is suitable for integration into any front panel (turnstiles and third-party devices).

When used with AxTraxNG™ v27.6.1.x and above, this device is plug-n-play and enables the end user to deploy multiple enrollment stations within the organization. The DR-U955BT comes with two utility software programs for windows –
Rosslare B-Converter (to manually convert Rosslare

BLE-ID to any supported Wiegand format) and the HCT Hardware Configuration Tool.

Main Features

- Enrolls 13.56 MHz smart card Unique ID (UID) and can read the UID of a range of credentials
- Enrolls UHF-ID – Reads a wide range of passive transponders with ISO 18092 (NFCIP-1) and ISO/IEC 18000-6C credential support
- Enrolls Bluetooth – Rosslare BLE-ID credential directly into AxTraxNG Server or directly into third-party software systems
- Supports USB 2.0 Standard (compatible with USB 1.1), meets the EIA Standard
- One-meter cable and USB Type A Connector – powered by USB host PC
- SW supports the following operating systems: Windows 10 (32- and 64-Bit), Windows 7 (32- and 64-Bit), Windows Vista and Vista 64-Bit, Windows XP and XP 64-Bit, Server 2003, XP and Server 2008
- Enables access control with multi-credential authentication factors

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Specifications

ELECTRICAL SPECIFICATIONS			
Operating Voltage Range	5 VDC (US powered)		
Operating Current	Standby: 250 mA, Max: 300 mA		

OPERATIONAL ELECTRICAL SPECIFICATIONS	13.56 MHz (RFID) UID	UHF CREDENTIALS	ROSSLARE BLE-ID
Supported Credentials	MIFARE Ultralight / C (Android)	ISO-18000 (6C) (Windshield)	APP-A411
	MIFARE Classi (iOS)	Hard Tags	APP-B411
	MIFARE Plus S / Plus (Android)	Vandal Evident	APP-A412
	MIFARE DESFire EV1 (iOS)		APP-A412
	ISO 14443A and 14443B		
	ISO 15693		
	HIDGlobal iClass		
	ISO 18092 (NFCIP-1)		
	FeliCa (14443C Sony)		
Credential Type (Read Distance)	UHF: Up to 5 cm (2 in.), MIFARE: Up to 5 cm (2 in.), BLE: Up to 12 meters (39 ft)		
RF Modulation	ASK (RFID)		
Operation Frequency	Smart card: 13.56 MHz RFID, Bluetooth: 2.402–2.480 GHz DR-U955BT US: 902–928 MHz (America) RFID, DR-U955BT EU: 865–868 MHz (Europe) RFID		
Output Format	Wiegand 26-Bit (Custom: Wiegand 34-Bit up to 128-Bit*)		
Hopping	Frequency hopping		

ENVIRONMENTAL SPECIFICATIONS			
Operating Environment	Indoor use		
Operating Temperature Range	0°C to 63°C (32°F to 145°F)		
Storage Temperature Range	-20°C to 63°C (-4°F to 145°F		
Operating Humidity Range	0% to 95% (non-condensing)		

MECHANICAL SPECIFICATIONS			
Dimensions (H x W x D)	123 × 70 × 16 mm (4.9 x 2.8 x 0.6 in.)		
Weight	130 g (4.6 oz.)		

System Components: Compatible with Rosslare AxTraxNG and many third-party access control software.

Product Warranty: 2-year limited product warranty

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For more information regarding support, visit https://support.rosslaresecurity.com/portal/en/home.