

ROSSLARE

# Rosslare Secure Access Solutions

Global Product Catalog



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# About Rosslare Group

For over four decades, Rosslare has been delivering state of the art electronics, achieving R&D excellence with breakthroughs such as the first digital battery analyzer and all-weather anti-vandal RFID readers.

Today, Rosslare is home for top industry talent specializing in access control solutions drawn on our rich global presence and implementation experience. Our tailored solutions, backed by one of the most extensive off-the-shelf product portfolios on the market, will continue to play a role in bringing value, performance and productivity to our industry leading clients worldwide.

# Training & Support

Our global Technical Training and Support group provides pre-sales training and post-sales support services out of our Dallas, Europe, Buenos Aires, Hong Kong, Mumbai, and our Chinese facilities. The group takes pride in bringing a wealth of knowledge and expertise to your doorstep, with the explicit goal of helping you meet your technical challenges.

We provide both remote and in-house educational and support services, including on-site customer seminars, webinars, FAQ and live chat. Our professional teams of Engineers and Technicians are at your service 24/7, possessing all the technological skills and tools to help you and your customers succeed.



# ODM/OEM Services

Over the years, many of our market leading vendors have joined the growing family of Rosslare OEM/ODM service users, benefitting from our in-house capabilities coupled with unmatched service and support. ODM's can avoid the heavy direct labor, manufacturing and design costs, while enjoying highest quality, fully branded products. OEM's retain full control of design, while Rosslare handles all the manufacturing end to end.

# Industries


Rosslare serves a wide range of markets and industries, including Education, Healthcare, Residential & Commercial Real Estate, Corporate, Finance and more.

# Applications


Our robust, field-proven software and hardware products are the foundation of our customers' organizational security, covering wide-ranging applications including Access Control, Parking Management, Time & Attendance, Clean Room Management and Guard Patrol.

# Associations & Certifications


Rosslare's manufacturing processes meet leading international standards and requirements, including TUV Rhineland accreditation, ROHS compliance, and ISO quality standards, as well as ISO 9001, ISO14001 and ISO13485. Flexibly designed to meet the needs of a demanding global market, our products are made to pass certification tests with distinction, including but not limited to CE, FCC, UL, EAC, NOM and RCM.




ACCESS  
CONTROL




PARKING  
MANAGEMENT



TIME &  
ATTENDANCE



CLEAN ROOM  
MANAGEMENT

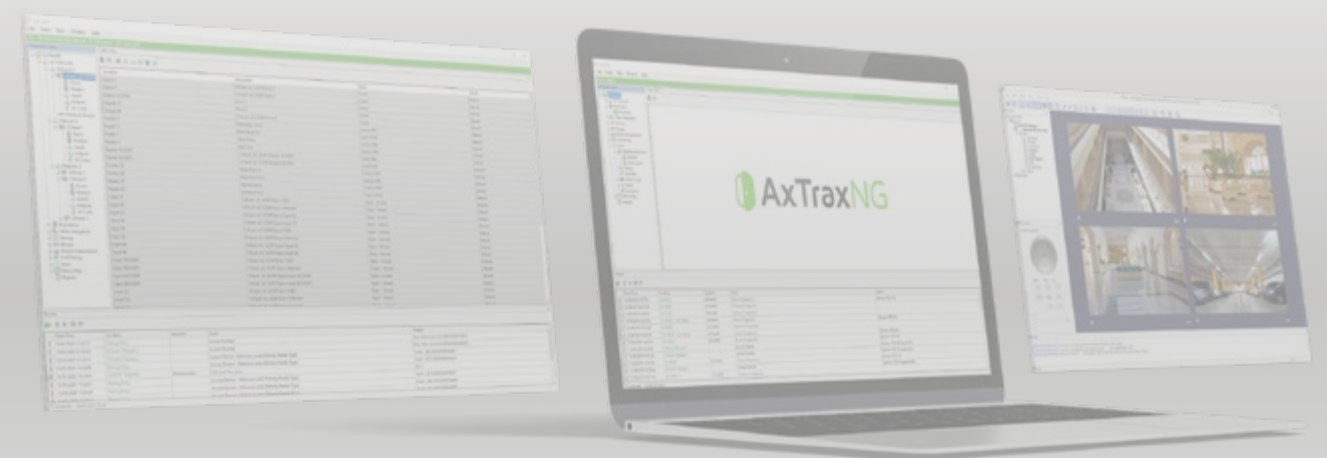


GUARD  
MANAGEMENT





# Software

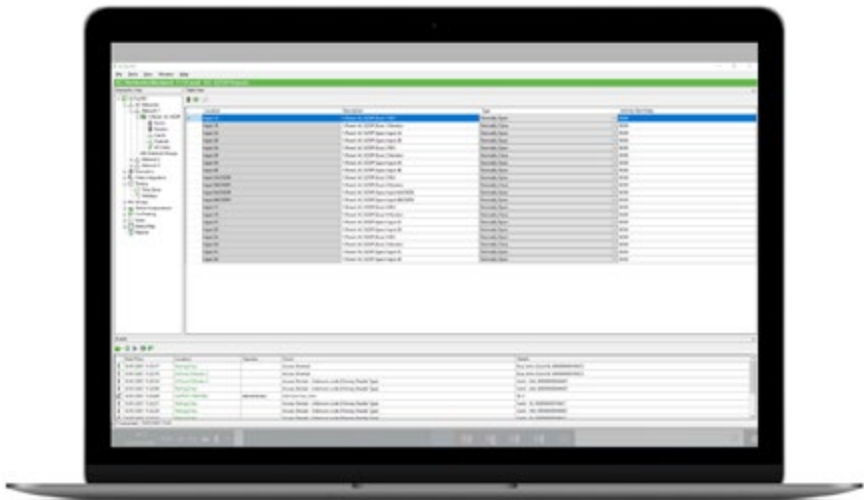


# Software

AxTraxNG™

AxTraxNG client-server software management platform enables setting automated physical access control policy across facilities, perfect for today's most demanding users and organizations. The system can manage thousands of Rosslare networked access controllers and users, providing enhanced security with excellent system scalability and performance.

## AxTraxNG™ Management Software



### Video integration

Integrated with major NVR vendors, including Hikvision and Dahua, for event-based video pop-up and snapshot reports.

### Integrated biometrics

Integrated with Rosslare fingerprint and face Biometric devices to enable improved facility security.

### Access control policies

Enhanced access control policies such as access groups, interlock groups, Antipassback and more.

### Identity management

Managing user information, photo, access credentials and related access policies, using new secure login process with dual-factor authentication dialog.

### Up to 16 credentials per user

Supports Face-ID, Fingerprint, PIN-Codes, RFID cards, UHF Tags, NFC-ID, BLE-ID, and LPR for vehicles.

### Alarm management and reporting

Alarm management workflow across devices and smart links automations, email notifications and reports module.

### Software security

Client-server security mechanism including AES 128-bit encryption of database and client communications for a privacy compliant system.

### Time and attendance

Built-in capability of generating attendance reports with pre-set formats, automatic and customized reports.

### Car parking management

Enhanced by Rosslare long range readers, along with fundamental features related to parking occupancy management and control of multitenant environments.

# Software

Software Add-ons



## AxTime™ Time & Attendance Client

- Produces reports from acquired data, such as usage reports, attendance records, visitors, and roll calls
- Password controlled for high level of security, uses the same permission rights of defined operator as AxTraxNG
- User-friendly software with intuitive GUI helps reduce the complexity of installation
- Supports overnight shifts

# Controllers





# Controllers

## Networked Control Panels

Networked Control Panels are Rosslare's most advanced and secure access solutions, featuring 2, 4 and 6 reader models with a variety of expansions. Supporting online and offline operation, they easily scale up to multiple remote premises.

Standalone Controllers were designed for ease of installation, providing highly secure professional performance available in a variety of forms and configurations, including anti-vandal, all weather and tampering protection.

For small applications, our Entry-level Controllers can be locally configured and operated without a server, allowing single and dual door operation of up to 8 doors.



**AC-825IP**  
Advanced Scalable  
Networked Access Platform

- Supports up to 6 doors (4 Wiegand and 2 OSDP readers)
- Expandable to 56 doors

### KEY FEATURES

- Scalable and flexible – fits a wide range of applications
- Supports up to 100,000 users in off-line mode, unlimited server based capacity
- Onboard TCP/IP networking with AES 128-bit data encryption to an AxTraxNG server
- Bi-directional communication for enhanced data transmission speed and reliability
- 500,000 entries event history per controller
- One onboard expansion slot and supports up to 12 additional expansion boards via RSDP bus
- Optional ME-1515 Secure Power Management Enclosure with illumination bar, tamper sensing, power status LED, and lockable C14 power plug

### Expansion Boards



**R-805**  
16 outputs



**D-805**  
4-reader expansion



**S-805**  
16 supervised inputs



**P-805**  
16 supervised inputs and 8 outputs

Expand the range and functionality of the AC-825IP with a series of expansion boards, featuring DIN rail and enclosure mounting options

# Controllers

## Networked Control Panels



**AC-215-B/215IP-B**  
Scalable Networked  
Controller

- Supports up to 2 doors
- Supports 2 readers



**AC-225-B/225IP-B**  
Expandable Networked  
Access Controller

- Supports up to 2 doors
- Supports 2 readers
- Expandable to 4 doors using MD-D02B



**AC-425-B/425IP-B**  
Expandable Networked  
Access Controller

- Supports up to 4 doors
- Supports 4 readers
- Expandable to 8 doors using MD-D04B

### KEY FEATURES

- Networked up to 1023 panels
- Supports up to 30,000 users in off-line mode, unlimited server based capacity
- 20,000 event history entries per controller
- Multi-user authentication for high-level security
- Supports a wide range of Wiegand and PIN formats
- Optional ME-1015 Secure Power Management Enclosure with illumination bar, tamper sensing, power status LED, and lockable C14 power plug

### Expansion Boards



**MD-D02B**  
Optional On-board  
Expansion for AC-225-B

- 2 reader expansions



**MD-D04B**  
Optional On-board  
Expansion for AC-425-B

- 4 reader expansions



**MD-IO84B**  
Optional Expansion for AC-225-B, AC-425-B

- 8 inputs, 4 outputs

# Controllers

## Networked Control Panels

### Enclosures



**ME-1015**  
Secure Power Management Enclosure for the AC-215/225/425/IP-B



**ME-1515**  
Secure Power Management Enclosure for the AC-825IP board or two R/S/D/P-805 expansions

#### ME-1015 KEY FEATURES

- Global input voltage – 100 VAC to 240 VAC 50/60Hz auto select
- Rosslare provides versions with C14 power plugs for any country
- Delivers two isolated 13.8 VDC @ 2A outputs with PTC resettable fuse and LED indications (4 A total)
- Built-in power supply and UPS event generation to the control panels and AxTraxNG
- Built-in Rosslare LightBar™ for lighting the way during maintenance and installation
- Full system hinge and key lock unit (including 2 keys)
- Thick high-quality oven baked black matte coating
- Easy to understand connections scheme on the inside of enclosure door
- Rosslare PowerLock™ C13 socket – power cable pulling protection by a special locking mechanism

#### ME-1515 KEY FEATURES

- Power module delivers isolated 13.8 VDC power @ 2 Amp output channels with PTC resettable fuse and LED indications
- Built-in power event generation to let the control panels receive power supply and UPS events
- Built-in Rosslare LightBar™ for lighting the way during maintenance and installation
- Full system hinge and key lock unit (including 2 keys)
- Thick high-quality oven baked black matte coating
- Easy to understand connections scheme on the inside of enclosure door
- Rosslare PowerLock™ C13 socket – power cable pulling protection by a special locking mechanism
- Can be supplied with various C14 power plugs per country requirements
- Supplied with removable terminal blocks and special key for ease of installation

# Controllers

## Entry-Level



**AC-115**  
Compact Networked Single Door Controller

- 2 Wiegand 26-bit readers
- 3 programmable modes
- Built-in speaker for alarm notifications

#### AC-115 KEY FEATURES

- Supports 2 Wiegand 26-bit readers (In/Out)
- 3 programmable modes: Normal, Bypass, Secure
- 2400 users and up to 2000 events
- Supports setup, monitoring and DB management
- Time & Attendance with 8 programmable time zones and 24 holidays with reporting capabilities
- Networking: Up to 8 panels (8 doors) over RS-485 network
- Sounder and speaker for chime, door bell, and alarm event notifications
- 2 outputs: 5 A lock relay, 1 A auxiliary
- Supported by Lite management SW AS-115

Note: The keypad on the controller is for programming purposes only.



**AC-015**  
Single-Door, 2-Reader Standalone Controller & Software

- Lock relay - 5A
- Tamper output - 1A
- Multi-Lingual PC software to manage user details, events, and reports
- Alarm notifications

#### AC-015 KEY FEATURES

- Supports 2 Wiegand 26-bit readers
- 3 programmable modes: Normal, Bypass, Secure
- 500 users, events
- 2 tri-colored LEDs
- Sounder and speaker for chime, and siren sounder
- Case tamper
- Input for REX button
- Supported by Lite management SW AS-015

Note: The keypad on the controller is for programming purposes only.



**AC-020**  
2-Door, 2-Reader Standalone Controller

- 2 outputs: 5 A relay



Controllers

Standalone



**AC-Q41HB/SB**  
Anti-Vandal Backlit PIN  
& Heater Standalone  
Controller



**AC-Q42HB/SB**  
Anti-Vandal Backlit PIN  
& Proximity Standalone  
Controller



**AC-Q44**  
Anti-Vandal Piezo PIN &  
Prox Standalone Controller



**AC-T43**  
Anti-Vandal Piezoelectric  
PIN Standalone Controller



**AC-S43**  
Anti-Vandal Piezoelectric  
PIN Standalone Controller

KEY FEATURES

- Standalone anti-vandal controller with 500 dual-code users memory
- 2 tri-colored LED indicators
- 3 user levels and 3 operation modes
- Optical case and back tamper protection
- Piezoelectric (selected models)
- Programmable blue backlit keypad (selected models)

Controllers

Standalone



**AC-F43**  
Outdoor Backlit PIN  
Standalone Controller



**AC-F44**  
Outdoor Backlit PIN  
& PROX Standalone  
Controller



**AC-G43**  
Outdoor Mullion Backlit  
PIN Standalone Controller



**AC-G44**  
Outdoor Mullion Backlit  
PIN & Proximity Standalone  
Controller

KEY FEATURES

- 500 dual-code users
  - 2 x 2 A relays
  - 2 inputs with user programmable logic
  - 2 tri-colored LED indicators
  - 3 user levels and 3 operation modes
  - Optical case and back tamper protection
- Fully-potted, meets IP65
  - Lockout feature on wrong entries (keypad/ card tamper)
  - Bell, chime, siren, and strobe features available with BL-D40
  - Antimicrobial technology reduces level of microbes on reader by up to 99.9%

Controllers

Standalone



AC-B32  
Indoor PIN / Proximity &  
PIN Standalone Controller



AC-D32  
Indoor PIN / Proximity &  
PIN Standalone Controller

KEY FEATURES

- 125 kHz, ASK type RFID proximity
- 3 user levels and 3 operation modes
- 2 tri-colored LED and buzzer indicators
- Bell, chime, siren, and strobe features available with BL-D40
- Case tamper
- Input for REX button
- 3.5 A lock relay

Controllers

Technical Specifications

Networked Control Panels

Product	Type	Readers	Inputs/ outputs	Interface	Max readers	Users	Event log	Operating Voltage (VDC)	Weight
AC-825IP*	Panel	6	12/6	TCPIP/OSDP/ WIEGAND/RSDP	56	100K	500K	12	400 g (14.1 oz)
AC-215IPB	Panel	2	4/4	TCPIP/WIEGAND/ RS485	2	30K	20K	12	0.36 kg (12.7 oz)
AC-225B/IPB	Panel	2	4/4	TCPIP/WIEGAND/ RS485	4	30K	20K	12	0.36 kg (12.7 oz)
AC-425B/IPB	Panel	4	4/4	TCPIP/WIEGAND/ RS485	8	30K	20K	12	0.36 kg (12.7 oz)
MD-D02B	Expansion	2	4/4		2			12	98.2 g (0.21 lb)
MD-D04B	Expansion	4	4/4		4			12	98.2 g (0.21 lb)
MD-IO84B	Expansion		8/4					12	98.2 g (0.21 lb)
R-805	Expansion		0/16	RSDP				12	230 g (8.1 oz)
S-805	Expansion		16/0	RSDP				12	150 g (5.3 oz)
D-805	Expansion	4	8/4	RSDP	4			12	150 g (5.3 oz)
P-805	Expansion		16/8	RSDP				12	200 g (7.1 oz)
ME-1515	Enclosure								4.6 kg (10.1 lb)
ME-1015	Enclosure								3.4 kg (7.5 lb)

\* Encryption AES128

Small Access Controllers

Product	Frequency	Technology	Interface	Read Distance	Standalone 500 users	Tamper Output (Open collector)	IP Rating	Operating Voltage (VDC)	Weight
AC-115			RS-485		2400*	✓		12–24	220 g (0.5 lb)
AC-020			Wiegand		500*	✓		12–24	220 g (0.5 lb)
AC-015			Wiegand		500*	✓		12–24	220 g (0.5 lb)
AC-Q41HB		PIN	Auxiliary		✓	✓	IP54	12–24	440 g (1.0 lb)
AC-Q41SB		PIN	Auxiliary		✓	✓	IP65	12–24	521 g (1.2 lb)
AC-Q42HB	125 kHz	PIN, Prox	Auxiliary	65 mm (2.5 in.)	✓	✓	IP54	12–24	440 g (1.0 lb)
AC-Q42SB	125 kHz	PIN, Prox	Auxiliary	65 mm (2.5 in.)	✓	✓	IP65	12–24	521 g (1.2 lb)
AC-Q44	125 kHz	PIN, Prox	Auxiliary	65 mm (2.5 in.)	✓	✓	IP65	12–24	521 g (1.2 lb)
AC-S43		PIN	Auxiliary		✓	✓	IP65	12–24	413 g (14.6 oz)
AC-T43		PIN	Auxiliary		✓	✓	IP65	12–24	388 g (13.7 oz)
AC-G43		PIN	Auxiliary		✓	✓	IP65	12–24	178 g (6.3 oz)
AC-G44	125 kHz	PIN, Prox	Auxiliary	80 mm (3.2 in.)	✓	✓	IP65	12–24	178 g (6.3 oz)
AC-F43		PIN	Auxiliary		✓	✓	IP65	12–24	244 g (8.6 oz)
AC-F44	125 kHz	PIN, Prox	Auxiliary	75 mm (3.0 in.)	✓	✓	IP65	12–24	244 g (8.6 oz)
AC-B32	125 kHz	PIN, Prox	Wiegand	90 mm (3.5 in.)	✓	✓		12–16	124 g (4.4 oz)
AC-D32	125 kHz	PIN, Prox	Wiegand	90 mm (3.5 in.)	✓	✓		12–16	115 g (4.1 oz)

\*Requires external reader

# Readers





# Readers

Multi Technology

Multi-Smart™

Rosslare readers are known for their reliability, high performance and attractive design. Placed in protected or unprotected areas, readers deliver credentials to the controller located at a secure location. With a broad selection to choose from, our readers are designed to fit the current and future architectural, technical and environmental needs of any organization.

## AY-K35

Multi-Smart™ Reader with multiple technologies support

### KEY FEATURES

- Supports CSN credentials types including 125 kHz (FSK & ASK), wide range of 13.56 MHz standards including MIFARE® Classic EV1 Sector Read, and Bluetooth® and NFC
- Supports OSDP V2 including secure channel using AES 128 bit encryption for improved security with an extended range, up to 32 addresses
- Fully programmable using Rosslare BLE-Admin app
- Touch button for different functions
- Antimicrobial technology reduces level of microbes on reader by up to 99.8%
- IP68 Water and dust resistant, IK08 vandal resistant

### Rosslare Mobile Apps



#### Rosslare BLE-Admin™ Configuration App

Available for iOS and Android



#### Rosslare BLE-ID™ Mobile Credentials App

Available for iOS (Bluetooth) and Android (Bluetooth & NFC)

# Readers

Multi Technology

13.56 MHz – CSN SMART™



## AY-H6255BT

CSN SMART™ Smart Card Reader with NFC and BLE-ID™

### KEY FEATURES

- Supports Rosslare BLE-ID and reads most 13.56 MHz contactless credentials
- Configurable using BLE-Admin mobile app
- Eight keypad transmission formats are available
- Addressable OSDP connectivity, up to 32 addresses using DIP switches
- Optional desktop reader enrollment station DR-U955BT

### Rosslare Mobile Apps



#### Rosslare BLE-Admin™ Configuration App

Available for iOS and Android



## AY-H6355BT

CSN SMART™ Smart Card Reader with Keypad, NFC and BLE-ID™

#### Rosslare BLE-ID™ Mobile Credentials App

Available for iOS (Bluetooth) and Android (Bluetooth & NFC)

# Readers

Multi Technology

13.56 MHz – CSN SELECT™



**AY-M6255**

Smart Card Reader



**AY-K6255**

Smart Card Reader



**AY-H6255**

Smart Card Reader



**AY-L6255**

Smart Card Reader

## KEY FEATURES

- Reads most 13.56 MHz contactless credentials
- NFC-ID support using Rosslares BLE-ID mobile app
- Support SIA OSDP in AY-M/H6255 models
- Fully configurable using configuration card (requires CS-CCT Configuration Card Tool)
- Water and dust resistant (IP65 for dip switch models and IP68 for non-DIP switch models), IK08 vandal resistant without the bezel



**AY-R6255**

Illuminated Smart Card Reader



**AY-Q6255**

Smart Card Anti-Vandal Reader

# Readers

Multi Technology

13.56 MHz – CSN SELECT™



**AYC-M6355**

Convertible Smart Card Reader with Keypad



**AYC-Q6355**

Convertible Anti vandal Smart Card Reader with Keypad



**DR-6255**

Configuration Card Programmer and 13.56 MHz Smartcard CSN Desktop Enrollment Reader



**AYC-H6355**

Convertible Smart Card Reader with Keypad

## KEY FEATURES

- Reads most 13.56 MHz contactless credentials
- NFC-ID support using Rosslares BLE-ID mobile app
- Support SIA OSDP in AYC-M/H6355 models
- Fully configurable using configuration card (requires CS-CCT Configuration Card Tool)
- Water and dust resistant (IP65 for dip switch models and IP68 for non-DIP switch models), IK08 vandal resistant without the bezel

## DR-6255

## KEY FEATURES

- Compatible with Rosslare AxTrax management system
- USB connectivity to PC
- Bi-colored LED for status notification
- Configuration card programmer
- Supported credentials: 13.56 MHz Smartcard CSN (ISO14443A/B, ISO15693, ISO18092 and more)

## Rosslare Mobile Apps



## Rosslare BLE-ID™ Mobile Credentials App

Available for Android and supports NFC-ID

Readers  
Multi Technology

UHF Long Range



AY-U915BT

Long range UHF



AY-U920BT

Extended long-range UHF

AY-U915BT/ AY-U920BT

KEY FEATURES

- AY-U920BT Read range up to 12 m (39 ft) – UHF and Bluetooth
- AY-U915BT Read range up to 12 m (39 ft) – Bluetooth, and 6 m (19 ft) – UHF
- Supports UHF-RFID and BLE-ID™ (Android and iOS) credentials
- Single and multi-credential modes
- Supports OSDP V2 including secure channel
- Built from robust materials, supports IP65 rating
- Readers and credentials can be factory-customized to allow only recognized credentials to pass to the controller
- Rosslare BLE-Admin™ mobile application for fast deployment, simple configuration of LED and buzzer behaviour, Wiegand format, OSDP address, secure channel key, firmware upgrade over the air
- IP67 Water and dust resistant, IK10 vandal resistant



DR-U955BT

Multi-technology Desktop Enrollment Reader with Bluetooth support

DR-U955BT

KEY FEATURES

- Compatible with Rosslare AxTrax management system
- USB connectivity to PC
- Bi-colored LED for status notification
- Supported credentials: 13.56 MHz Smartcard CSN, Rosslare BLE-ID™ and UHF RFID

Rosslare Mobile Apps



Rosslare BLE-Admin™ Configuration App

Available for iOS and Android



Rosslare BLE-ID™ Mobile Credentials App

Available for iOS (Bluetooth) and Android (Bluetooth & NFC)

Readers  
Multi Technology

RF Long Range



AY-L23

Extra Long-Range RF Reader

AY-L23

KEY FEATURES

- Can operate as a standalone controller (with external relay)
- Optical back tamper
- Can operate only with SA-23-B2/B4 remote controls
- Read range of 70 m (229.6 ft.)
- Two different Wiegand output formats
- Note: Does not read RFID cards



SA-23-B2

2-Channel Transmitter for AY-L23 Reader

SA-23-B2

KEY FEATURES

- In Standalone mode, each button on the SA-23-B2 can be registered to activate different outputs in the AY-L23



SA-23-B4

4-Channel Transmitter for AY-L23 Reader

SA-23-B4

KEY FEATURES

- Each button is programmed to output a different Wiegand ID for flexible and advanced access control operation



# Readers

Single Technology

13.56 MHz – Open to Secure® – O2S®



**AY-H6270B/  
AY-H6280B**

MIFARE® Classic and  
MIFARE Plus®/DESFire®  
EV1 Reader



**AY-H6370B/  
AY-H6380B**

MIFARE® Classic and  
MIFARE Plus®/DESFire®  
EV1 Reader with Keypad



**AY-G6270B/  
AY-G6280B**

MIFARE® Classic and  
MIFARE Plus®/DESFire®  
EV1 Reader



**AY-G6370B/  
AY-G6380B**

MIFARE® Classic and  
MIFARE Plus®/DESFire®  
EV1 Reader with Keypad

## KEY FEATURES

- The platform enables to choose between open key and pre-configured readers and credentials
- User friendly tools to configure desfire readers and program user cards
- Supported by CP-R27 programmer and AS-B01 software for user and configuration card creation
- Supports Rosslare MIFARE Classic Sector
- High security with AES 128-bit, compatible with MIFARE Plus and MIFARE DESFire EV1
- CSN reading with MIFARE Classic EV1
- Supports OSDP V2 including secure channel for the AY-X6X80 readers
- Tri-colored LED operation and buzzer
- Antimicrobial technology reduces level of microbes on reader by up to 99.9%
- IP68 Water and dust resistant, IK08 vandal resistant

# Readers

Single Technology

13.56 MHz – Open to Secure® – O2S®



**CP-R27**

DESFire EV1 /  
MIFARE Classic EV1  
Desktop Programmer



**AS-B01**

Configuration Tool



**DR-6280**

MIFARE® CLASSIC  
and DESFire EV1  
Desktop Enrollment  
Reader

CP-R27

## KEY FEATURES

- Compatible with the AS-B01 configuration tool
- USB connectivity to PC
- Configuration and users card programmer
- Contactless smart card and desktop programmer to read/write 13.56 MHz technology, including, MIFARE® and DESFire® EV1. It is compliant with ISO14443A.

AS-B01

## KEY FEATURES

- Software application for programming configuration and user cards for Rosslare DESFire O2S series readers

DR-6280

## KEY FEATURES

- Compatible with Rosslare AxTrax management system
- USB connectivity to PC
- Bi-colored LED for status notification
- Supported credentials: MIFARE Classic EV1 and MIFARE DESFire EV1

Readers  
Single Technology

13.56 MHz – MIFARE® Classic CSN



AY-M5B

MIFARE Classic® EV1  
Contactless Smart Card  
Reader



AY-H5B

MIFARE Classic® EV1  
Contactless Smart Card  
Reader



AY-L5B

MIFARE Classic® EV1  
Contactless Smart Card  
Mullion Reader



AY-K5B

MIFARE Classic® EV1  
Contactless Smart Card  
Micro-Mullion Reader

KEY FEATURES

- 13.56 MHz MIFARE® CLASSIC EV1
- Wiegand 26-bit to 40-bit
- For indoor installation



AY-T6350

Touch Keypad Reader  
with RFID

AY-T6350

KEY FEATURES

- 13.56 MHz MIFARE RFID
- Wiegand 26-bit to 54-bit
- IP68 – a fully potted housing with top cover  
for all weather applications

Readers  
Single Technology

13.56 MHz – MIFARE® Classic CSN



AY-M25B

MIFARE® Classic  
Contactless Smart Card  
Reader



AY-H25B

MIFARE® Classic  
Contactless Smart Card  
Reader



AY-L25B

MIFARE® Classic  
Contactless Smart Card  
Mullion Reader



AY-K25B

MIFARE® Classic  
Contactless Smart Card  
Micro-Mullion Reader

KEY FEATURES

- 13.56 MHz MIFARE® CLASSIC EV1
- Wiegand 26-bit to 40-bit
- For outdoor installation



## AY-M26

MIFARE® Contactless Smart Card Sector Reader

AY-M26

### KEY FEATURES

- 13.56 MHz MIFARE® CLASSIC EV1
- Full sector reading support
- Programmable multi-format output
- Epoxy-potted – meets IP65, waterproof
- Optical back tamper
- Fully supported by CP-R26 programmer and AS-B01 software



## AY-W6260

MIFARE® Contactless Smart Card Sector Reader



## AY-W6360

MIFARE® Contactless Smart Card Sector Reader with Keypad



## AY-Q6260

Anti-Vandal MIFARE® Contactless Smart Card Sector Reader



## AY-Q6360

Anti-Vandal MIFARE® Contactless Smart Card Sector Reader with Keypad

- Blue backlight keypad
- Two tri-colored LEDs and buzzer indicators



## AY-K12C

Micro-Mullion Proximity Reader



## AY-L12C

Mullion Proximity Reader



## AY-H12C

Proximity Reader



## AY-M12C

Proximity Reader



## AY-Q12C

Anti-Vandal Proximity Reader

### KEY FEATURES

- Reads 125 kHz RFID
- Wiegand 26-bit, Clock & Data, RS-232 (other Wiegand formats available per request)
- Tri-colored LED
- 2 x LED color control inputs
- Hold control input



# Readers

Single Technology

125 kHz – PROX and goPROX®



## AYC-G60

Mullion goPROX® & PIN  
Convertible Reader/  
Controller



## AYC-G64

Mullion PIN Convertible  
Reader/Controller



## AYC-F60

goPROX® & PIN  
Convertible Reader/  
Controller



## AYC-F64

PIN Convertible Reader/  
Controller

### KEY FEATURES

- Convertible to standalone controller using PS-C25TB Power Management Enclosure or the MD-25TB Secure Relay I/O Module
- Reads all HID Prox credentials (125 kHz FSK) using Genuine HID Technology™ (AYC-G60, AYC-F60)
- Multi-format keypad
- Programmable patented backlit keypad
- The AYC-G64, AYC-F64 and AYC-F60 include Rosslare Antimicrobial technology that reduces the level of microbes on reader by up to 99.9%

# Readers

Single Technology

125 kHz – PROX and goPROX®



## AY-M2B

EM Contactless  
Reader



## AY-H2B

EM Contactless  
Reader



## AY-L2B

EM Contactless  
Reader



## AY-K2B

EM Contactless  
Reader

### KEY FEATURES

- 125 kHz EM Compatible
- Wiegand 26-bit
- For indoor installation

# Readers

Single Technology

125 kHz – PROX and goPROX®



## AYC-E65B/BG/BB

Convertible Ultra-Slim  
PIN/Proximity Reader/  
Controller



## AYC-E60N/B

Convertible Ultra-Slim  
Mullion goPROX® & PIN  
Reader



GO PROX  
BY ROSSLARE



## AYC-T65N/B

Convertible Ultra-Slim  
Proximity & PIN Reader



AYC-E65B / AYC-E60 / AYC-T65

### KEY FEATURES

- Ultra-slim flush mount design
- Built-in piezoelectric keypad for PIN code entry
- Programmable patented blue backlit keypad
- Reads all HID Prox credentials (125 kHz FSK) using Genuine HID Technology™ (AYC-E60)



## AYC-Q64B

Convertible Anti-Vandal  
Proximity & PIN Reader/  
Controller



## AYC-Q60

Convertible Anti-Vandal  
Backlit goPROX® & PIN  
Reader

GO PROX  
BY ROSSLARE

AYC-Q64B / AYC-Q60

### KEY FEATURES

- Convertible to standalone controller using PS-C25TB Power Management Enclosure or the MD-25TB Secure Relay I/O Module
- Programmable patented blue backlit keypad on selected models
- Reads all HID Prox credentials (125 kHz FSK) using Genuine HID Technology™ (AYC-Q60)

# Readers

Single Technology

125 kHz – PROX and goPROX®



## AY-V12B

Medium-Range  
Proximity Reader



## AY-V64B

Medium-Range Backlit  
Proximity & PIN Reader

AY-V12B / AY-V64B / AY-Z12A

### KEY FEATURES

- Long range RFID transmission
- Wiegand 26-bit and clock and data
- Bi-colored LED and buzzer indicators
- AY-V64B: Multi-format keypad transmission and red backlight keypad



## AY-Z12A

Long-Range  
Proximity Reader



## MD-12C/W

OEM Proximity Reader  
Modules

MD-12C/W

### KEY FEATURES

- 125 kHz ASK, EM RFID Proximity Reader Module
- Read range of 5 cm (2 in.)
- Input voltage: 5 VDC
- Tiny footprint – 22 mm (0.43 in.) in diameter
- Available in Wiegand 26-bit (MD-12W) and Rosslare format Clock & Data (MD-12C)



## DR-12C

EM and Temic Card  
Desktop Enrollment  
Reader

DR-12C

### KEY FEATURES

- Compatible with Rosslare AxTrax management system
- USB connectivity to PC
- Bi-colored LED for status notification
- Supported credentials: EM, TEMIC cards



**AYC-G54**  
Convertible Backlit PIN Reader/Controller



**AYC-F54**  
Convertible Backlit PIN Reader/Controller



**AYC-E55**  
Ultra-Slim Piezo PIN Reader/Controller



**AYC-Q54B**  
Convertible Anti-Vandal Backlit PIN Reader/Controller



**AY-D09M**  
Indoor Multi-Format PIN Reader

KEY FEATURES

- Sophisticated PIN convertible reader / controller (selected models)
  - Supports 4-to-8-digit PIN credentials
  - Outputs common PIN formats
  - Smooth, attractive design, with all-weather indoor and outdoor operation
  - 2 tri-colored LEDs and an integral sounder for programming and operation
  - User friendly menu, based on large visible keypad, LED and sounder indicators
- Convertible to standalone controller using PS-C25TB Power Management Enclosure or the MD-25TB Secure Relay I/O Module (selected models)
  - Buzzer indicator
  - Back Optical tamper detection output
  - The AYC-G54 and AYC-F54 include Rosslare Antimicrobial technology that reduces the level of microbes on reader by up to 99.9%

\*Features vary per model

Multi-Smart™

Product	Frequency	Technology	Interface	Read Distance	Convertible Standalone 500 users	Tamper Output (Open collector)	IP Rating	IK Rating	Operating Voltage (VDC)	Weight
AY-K35*	BLE + 13.56 MHz + 125 kHz	BLUETOOTH + MIFARE, DESFIRE, NFC, Iclass (CSN) Prox, HID Prox	Wiegand, OSDP V2, C&D	BLE - 12M / MIFARE - 5 cm / EM - 8 cm		20mA	IP68	IK09	8.5-16	121 g (4.27 oz)

CSN SMART™ & CSN SELECT™

Product	Frequency	Technology	Interface	Read Distance	Convertible Standalone 500 users	Tamper Output (Open collector)	IP Rating	IK Rating	Operating Voltage (VDC)	Weight
CSN SMART										
AY-H6255BT*	BLE + 13.56 MHz	BLUETOOTH + MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, OSDP	70mm/ 12M		16mA	IP65		8.5-16	177 g (6.2 oz)
AY-H6355BT*	BLE + 13.56 MHz	BLUETOOTH + MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, OSDP	100mm/ 12M		16mA	IP65		8.5-16	190 g (6.7 oz)
CSN SELECT										
AY-L6255	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, C&D	50mm		16mA	IP68	IK08	8.5-16	130 g (4.6 oz)
AY-K6255	13.56Mhz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, C&D	50mm		16mA	IP68	IK08	8.5-16	73 g (2.6 oz)
AY-M6255	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, OSDP, C&D	50mm		16mA	IP65	IK08	8.5-16	167 g (5.9 oz)
AY-H6255	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, OSDP, C&D	90mm		16mA	IP65	IK08	8.5-16	177 g (6.2 oz)
AY-Q6255	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, C&D	50mm		16mA	IP65	IK08	8.5-16	410g (14.5 oz)
AY-R6255	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, C&D	50mm		16mA	IP65	IK08	8.5-16	208 g (7.3 oz)
AYC-M6355	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, OSDP, C&D	50mm	✓	16mA	IP65	IK08	8.5-16	169 g (5.9 oz.)
AYC-H6355	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, OSDP, C&D	50mm	✓	16mA	IP65	IK08	8.5-16	185 g (6.5 oz.)
AYC-Q6355	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	Wiegand, C&D	50mm	✓	16mA	IP65	IK08	8.5-16	430 g (15.2 oz.)
DR-6255	13.56 MHz	MIFARE, DESFIRE, NFC, Iclass (CSN)	USB						5V Via USB	130 g (4.6 oz.)

\* Support BLE-Admin and BLE-ID mobile apps



Readers

Technical Specifications

UHF Long Range

Product	Frequency	Technology	Interface	Read Distance	IP Rating	IK Rating	Operating Voltage (VDC)	Weight
UHF Long range								
AY-U920BT*	US: 902–928 MHz (America) EU: 865–868 MHz (Europe) Country dependent	UHF, Bluetooth	Wiegand, OSDP V2	0.5 to 12 m (1.6 to 39.4 ft)	IP67	IK10	8-15	2.8 kg (6.2 lb)
AY-U915BT*	US: 902–928 MHz (America) EU: 865–868 MHz (Europe) Country dependent	UHF, Bluetooth	Wiegand, OSDP V2	0.5 to 6 m (1.6 to 19.7 ft)	IP67	IK10	9-15	2.5 kg (5.5 lb)
DR-U955BT*	RFID: 13.56 MHz US: 902–928 MHz (America) EU: 865–868 MHz (Europe) Bluetooth: 2.402-2.480 GHz	MIFARE, UHF, Bluetooth	USB				5	130 g (4.6 oz.)
RF Long Range								
AY-L23**	G: 433.92 MHz H: 868.35 MHz	RF	Wiegand	70 m (230 ft)	IP65		7-24	500 g (1.1 lb)
SA-23-B2/B4	G: 433.92 MHz H: 868.35 MHz	RF		70 m (230 ft)	IP65		3V	21 g (0.74 oz)

\* Support BLE-Admin and BLE-ID mobile apps  
\*\* Equipped with open collector tamper output 16mA and Relay 200mA

13.56 MHz – Open to Secure® – O2S®

Product	Frequency	Technology	Technology	Interface	Read Distance	Encryption	Tamper Output (Open collector)	IP Rating	IK Rating	Operating Voltage (VDC)	Weight of Pigtail Models	Weight of Terminal Block and OSDP Models
AY-H6270B	13.56 MHz	MIFARE, MIFARE Plus	Mifare Classic, Plus	Wiegand, OSDP V2	45mm	128AES	30mA	IP65	IK08	8.5-16	161 g (5.7 oz)	147 g (5.2 oz)
AY-H6280B	13.56 MHz	MIFARE, DESFire EV1	Mifare Classic, Desfire EV1	Wiegand, OSDP V2	45mm	128AES	30mA	IP65	IK08	8.5-16	168 g (5.9 oz)	144 g (5.1 oz)
AY-G6270B	13.56 MHz	MIFARE, MIFARE Plus	Mifare Classic, Plus	Wiegand, OSDP V2	40mm	128AES	30mA	IP65	IK08	8.5-16	155 g (5.5 oz)	144 g (5.1 oz)
AY-G6280B	13.56 MHz	MIFARE, DESFire EV1	Mifare Classic, Desfire EV1	Wiegand, OSDP V2	40mm	128AES	30mA	IP65	IK08	8.5-16	153 g (5.4 oz)	135 g (4.8 oz)
AY-G6370B	13.56 MHz	MIFARE, MIFARE Plus	PIN, Mifare Classic, Plus	Wiegand, OSDP V2	40mm	128AES	30mA	IP65	IK08	8.5-16	236 g (8.3 oz)	218 g (7.7 oz)
AY-G6380B	13.56 MHz	MIFARE, DESFire EV1	PIN, Mifare Classic, Desfire EV1	Wiegand, OSDP V2	40mm	128AES	30mA	IP65	IK08	8.5-16	231 g (8.1 oz)	219 g (7.7 oz)
AY-H6370B	13.56 MHz	MIFARE, MIFARE Plus	PIN, Mifare Classic, Plus	Wiegand, OSDP V2	45mm	128AES	30mA	IP65	IK08	8.5-16	220 g (7.8 oz)	196 g (6.9 oz)
AY-H6380B	13.56 MHz	MIFARE, DESFire EV1	PIN, Mifare Classic, Desfire EV1	Wiegand, OSDP V2	45mm	128AES	30mA	IP65	IK08	8.5-16	218 g (7.7 oz)	201 g (7.1 oz)
CP-R27	13.56 MHz	MIFARE, DESFire EV1	Mifare Classic, Desfire EV1	USB						5	79 g (2.8 oz)	79 g (2.8 oz)

Readers

MIFARE® Classic CSN & MIFARE® Sector

Product	Frequency	Technology	Interface	Read Distance	Encryption	Tamper Output (Open collector)	IP Rating	Operating Voltage (VDC)	Weight
MIFARE Classic CSN									
AY-H25B	13.56 MHz	MIFARE CLASSIC	Wiegand, C&D	70 mm (2.8 in.)		16mA	IP65	5-16	116.9 g (4.1 oz)
AY-L25B	13.56 MHz	MIFARE CLASSIC	Wiegand, C&D	70 mm (2.8 in.)		16mA	IP65	5-16	111.1 g (3.9 oz)
AY-K25B	13.56 MHz	MIFARE CLASSIC	Wiegand, C&D	60 mm (2.4 in.)		16mA	IP65	5-16	68.5 g (2.4 oz)
AY-M25B	13.56 MHz	MIFARE CLASSIC	Wiegand, C&D	65 mm (2.6 in.)		16mA	IP65	5-16	109.1 g (3.8 oz.)
AY-H5B	13.56 MHz	MIFARE CLASSIC	Wiegand	70 mm (2.8 in.)				5-16	74.8 g (2.6 oz)
AY-L5B	13.56 MHz	MIFARE CLASSIC	Wiegand	70 mm (2.8 in.)				5-16	70.6 g (2.5 oz)
AY-K5B	13.56 MHz	MIFARE CLASSIC	Wiegand	60 mm (2.4 in.)				5-16	34.3 g (1.2 oz)
AY-M5B	13.56 MHz	MIFARE CLASSIC	Wiegand	65 mm (2.6 in.)				5-16	75.0 g (2.6 oz.)
AY-T6350	13.56 MHz	PIN, MIFARE CLASSIC	Wiegand, C&D	70 mm (2.8 in.)		32mA	IP68	8.5-16	170 g (6 oz)
MIFARE Sector									
AY-M26	13.56 MHz	MIFARE Sector	Wiegand, C&D	45 mm (1.8")	Sector	30mA	IP65	6.5-16	116 g (0.3 lb)
AY-W6260	13.56 MHz	MIFARE Sector	Wiegand, C&D	45 mm (1.8")	Sector	30mA	IP65	5-16	230 g (8.1 oz)
AY-W6360	13.56 MHz	PIN, MIFARE Sector	Wiegand, C&D	45 mm (1.8")	Sector	30mA	IP65	5-16	230 g (8.1 oz)
AY-Q6260	13.56 MHz	MIFARE Sector	Wiegand, C&D	45 mm (1.8")	Sector	30mA	IP65	5-16	480 g (1.1 lb)
AY-Q6360	13.56 MHz	PIN, MIFARE Sector	Wiegand, C&D	45 mm (1.8")	Sector	30mA	IP65	5-16	480 g (1.1 lb)



# Readers

## Technical Specifications

### PROX and goPROX®

Product	Frequency	Technology	Interface	Read Distance	Convertible Standalone 500 users	Tamper Output (Open collector)	IP Rating	Operating Voltage (VDC)	Weight
PROX									
AY-H12C	125 kHz	Prox	Wiegand, C&D, RS-232	10 cm (3.9")		16 mA	IP65	5-16	100 g (3.5 oz)
AY-L12C	125 kHz	Prox	Wiegand, C&D, RS-232	10 cm (3.9")		16 mA	IP65	5-16	116 g (4.1 oz)
AY-K12C	125 kHz	Prox	Wiegand, C&D, RS-232	8 cm (3.1")		16 mA	IP65	5-16	70.5 g (2.5 oz)
AY-M12C	125 kHz	Prox	Wiegand, C&D, RS-232	10 cm (3.9")		16 mA	IP65	5-16	109 g (3.9 oz)
AY-Q12C	125 kHz	Prox	Wiegand, C&D, RS-232	3.5 cm (1.4")		16 mA	IP65	5-16	480 g (17.0 oz)
AY-H2B	125 kHz	Prox	Wiegand	10 cm (4 in.)				5-16	74.7 g (2.6 oz)
AY-L2B	125 kHz	Prox	Wiegand	10 cm (4 in.)				5-16	71.1 g (2.5 oz)
AY-K2B	125 kHz	Prox	Wiegand	8 cm (3.2 in.)				5-16	35.1 g (1.2 oz)
AY-M2B	125 kHz	Prox	Wiegand	10 cm (4 in.)				5-16	75.0 g (2.6 oz.)
AYC-G64	125 kHz	PIN & Prox	Wiegand, C&D	8 cm (3.2 in.)	✓	32 mA	IP65	5-16	160 g (5.6 oz)
AYC-F64	125 kHz	PIN & Prox	Wiegand, C&D	8 cm (3.2 in.)	✓	32 mA	IP65	5-16	215 g (7.6 oz)
AYC-E65B	125 kHz	PIN & Prox	Wiegand, C&D	4 cm (1.6 in.)	✓	30 mA	IP68	5-16	143 g (5.0 oz)
AYC-T65	125 kHz	PIN & Prox	Wiegand, C&D	4 cm (1.6 in.)	✓	30 mA	IP68	5-16	121 g (4.3 oz)
AYC-Q64B	125 kHz	PIN & Prox	Wiegand, C&D	4.5 cm (1.8 in.)	✓	30 mA	IP65	5-16	480 g (1.1 lb)
AY-V12B	125 kHz	Prox	Wiegand	22 cm (9 in.)	-	30 mA	IP54	5-16	285 g (10.1 oz)
AY-V64B	125 kHz	PIN & Prox	Wiegand, C&D	22 cm (9 in.)	-	30 mA	IP54	5-16	285 g (10.1 oz)
AY-Z12A	125 kHz	Prox	Wiegand	60 cm (23.6 in.)	-	30 mA	IP54	10-16	1.066 kg (2.35 lbs)
DR-12C	125 kHz	Prox	USB	Up to 5 cm (2 in.)			IP54	5	130 g (4.6 oz)
goPROX									
AYC-G60	125 kHz	Prox, HID Prox	Wiegand, C&D	6 cm (2.36 in.)	✓	32 mA	IP65	5-16	160 g 0.35 lbs
AYC-F60	125 kHz	Prox, HID Prox	Wiegand, C&D	6 cm (2.36 in.)	✓	32 mA	IP65	5-16	480 g 1.05 lbs
AYC-E60	125 kHz	Prox, HID Prox	Wiegand, C&D	6 cm (2.36 in.)	✓	32 mA	IP65	5-16	143 g 0.31 lbs
AYC-Q60	125 kHz	Prox, HID Prox	Wiegand, C&D	6 cm (2.36 in.)	✓	32 mA	IP65	5-16	480 g 1.05 lbs
Modules									
MD-12W	125 kHz	Prox	Wiegand	5 cm (2 in.)			IP65	5	5 g (0.2 oz)
MD-12C	125 kHz	Prox	C&D	5 cm (2 in.)			IP65	5	5 g (0.2 oz)

# Readers

## Technical Specifications

### PIN Code

Product	Keypad matrix	Keypad type	Interface	Convertible Standalone 500users	Tamper Output (Open collector)	IP Rating	Operating Voltage (VDC)	Weight
AYC-G54	2x6	Backlit	Wiegand, C&D	✓	32 mA	IP65	5-16	160 g (5.6 oz)
AYC-F54	3x4	Backlit	Wiegand, C&D	✓	32 mA	IP65	5-16	215 g (7.6 oz)
AYC-E55	2x6	Piezo	Wiegand, C&D	✓	30 mA	IP68	5-16	120 g (4.2 oz)
AYC-Q54B	3x4	Backlit	Wiegand, C&D	✓	30 mA	IP65	5-16	480 g (1.1 lb)
AY-D09M	3x4	Standard	Wiegand, C&D		32 mA	IP54	5-16	110 g (3.88 oz)



# Biometric Terminals



# Biometric Terminals

BIO8000 Series

Rosslare Bio series cater to a wide range of indoor and outdoor applications for both large and small companies, offering advanced features including liveness check and facial recognition. Our Red Dot award-winning legacy biometric readers are designed for organizations seeking to avoid storage of fingerprint data on the device. Match on Card readers lack the user template limitations of traditional readers, making them especially suitable for large scale applications.



### AY-B8520/ AY-B8550

Fingerprint & Card Reader

- For indoor applications



### AY-B8620/ AY-B8650

Fingerprint & Card Reader

- For outdoor applications

### AY-B8520/AY-B8550 KEY FEATURES

- Encrypted data
- RFID card reader – 125 kHz (EM) / 13.56 MHz (MIFARE)
- 7000 fingerprint templates (recommended up to 3000)
- Recognition in less than 1 second
- TCP/IP, Wiegand 26-bit, RS-485



### DR-B8000

USB Fingerprint Enrollment Desktop Reader for the Biometric Reader 8000 Series

### DR-B8000 KEY FEATURES

- Compatible with Rosslare AxTrax and BIO8000 management software
- USB connectivity to PC
- Optical sensor with glass scanning surface
- Acquire high resolution images
- Supports the 8000 biometric series

### AY-B8620/AY-B8650 KEY FEATURES

- Encrypted data
- RFID card reader – 125 kHz (EM) / 13.56 MHz (MIFARE)
- 7000 fingerprint templates (recommended up to 3000)
- Recognition in less than 1 second
- Rugged metal case for additional protection
- Anti-Vandal case (IK10) & waterproof (IP65)
- TCP/IP, Wiegand 26-bit, RS-485

### Related Software

#### RosslareBio 8000

BIO 8000

Standalone BIO8000 terminals management software, with access control and T&A functionality

#### AxTraxNG™

AxTraxNG

Fully integrated with AxTraxNG for seamless operation, template management and access

# Biometric Terminals

BIO9000 Series



### AY-B9120BT/ AY-B9150BT

Fingerprint & Card Reader with Rosslare BLE-ID™



### AY-B9250BT

Fingerprint & Card reader with built-in camera, LCD and BLE-ID

### AY-B9120BT/ AY-B9150BT KEY FEATURES

- Liveness check in less than 1 second
- Encrypted data
- RFID card reader – 125 kHz (EM) / 13.56 MHz (MIFARE)
- Dual authentication (card and fingerprint) for improved security
- Built-in camera for event recording and recreation
- Rosslare BLE-ID™ app support for Bluetooth only
- 20,000 fingerprint templates
- Waterproof (IP65)
- TCP/IP, Wiegand 26-bit/34-bit, RS-485
- Built-in relay

### AY-B9250BT KEY FEATURES

- Liveness check in less than 1 second
- Encrypted data
- RFID card reader – 13.56 MHz (MIFARE)
- Dual authentication (card and fingerprint) for improved security
- Four touch function keys and LCD display
- Camera for recording photo snapshots based on terminal activity
- Rosslare BLE-ID™ app support for Bluetooth only
- 20,000 fingerprint templates
- Waterproof (IP65)
- TCP/IP, Wiegand 26-bit/34-bit, RS-485
- Built-in relay

### Rosslare Mobile Apps



### Rosslare BLE-ID™ Mobile Credentials App

Available for iOS (Bluetooth) and Android (Bluetooth & NFC)



# Biometric Terminals

BIO9000 Series



**AY-B9350**  
Face & Fingerprint Recognition Reader with dual RFID Card Reader & PIN Code

- For indoor applications

- AY-B9350**  
**KEY FEATURES**
- Fingerprint Liveness check – in less than 1 second
  - Encrypted data
  - RFID card reader – 125 kHz (EM) & 13.56 MHz (MIFARE)
  - 100,000 fingerprint templates & 10,000 face templates
  - TCP/IP, Wiegand 26-bit/34-bit, RS-485
  - Built-in relay



**DR-B9000**  
USB Fingerprint Enrollment Desktop Reader for the Biometric Reader 9000 Series

- DR-B9000**  
**KEY FEATURES**
- Compatible with Rosslare AxTrax and BIO9000 management software
  - USB connectivity to PC
  - Fingerprint Liveness check optical sensor
  - Acquire high resolution images
  - Supports the 9000 biometric series

Related Software

**RosslareBio 9000** *BIO 9000*  
Standalone BIO9000 terminals management software, with access control and T&A functionality

**AxTraxNG™** *AxTraxNG*  
Fully integrated with AxTraxNG for seamless operation, template management and access, providing advance features, face and finger remote enrollment and more

# Biometric Terminals

13.56 MHz – Legacy Biometric



**AS-B01**  
Configuration tool

- AS-B01**  
**KEY FEATURES**
- Management Software for Legacy Biometric Readers



**CP-R26A**  
MIFARE Classic® EV1 and MIFARE Sector Card and Fingerprint Desktop Programmer



**AY-B1660A**  
Full Fingerprint Match-on-Card Reader



**AY-B2660A**  
Full Fingerprint Match-on-Card Reader



**AYC-B7661A**  
Full Fingerprint 1:1 / 1:N Convertible Reader

- AYC-B7661A**  
**KEY FEATURES**
- Reads MIFARE Classic® EV1
  - Unlimited number of users
  - Match-On-Card technology
  - Configurable multi output format
  - Optical tamper sensor
  - Convertible controller with up to 107 fingerprint templates (AYC-B7661A)



# Biometric Terminals

## Technical Specifications

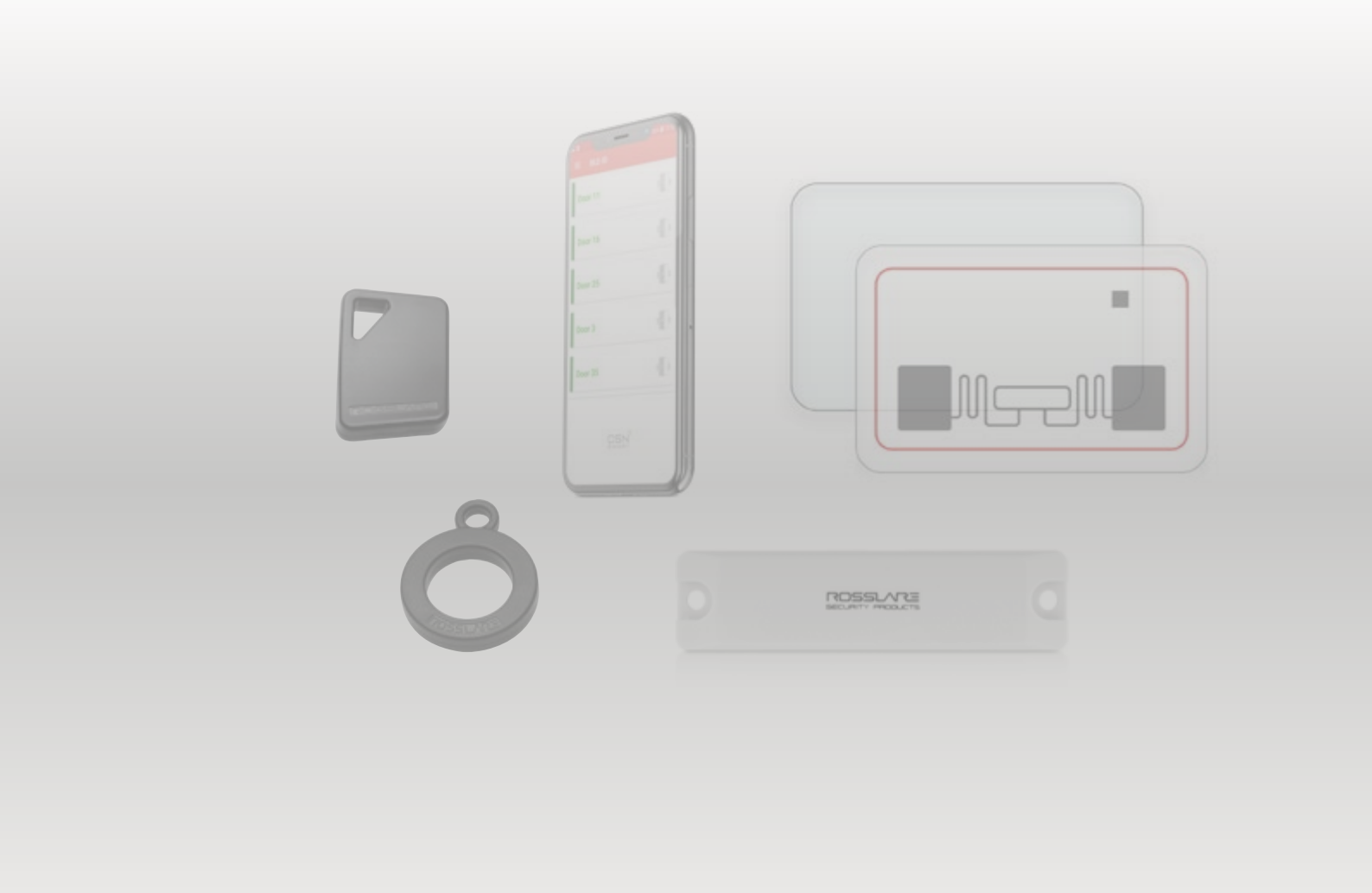
### Biometric Terminals 125 kHz / 13.56 MHz

Product	Frequency	Technology	Interface	Read Distance	FP Templates	Users	Event log	Tamper Output (Open collector)	Relay	IP Rating	Operating Voltage (VDC)	Weight
8000 SERIES												
AY-B8520	125 kHz	FP & Prox	TCP/IP, Wiegand, RS-485	2.5 cm	7K**	up to 7K	50K				12	400 g (14.1 oz)
AY-B8550	13.56 MHz	FP & Prox	TCP/IP, Wiegand, RS-485	2.5 cm	7K**	up to 7K	50K				12	400 g (14.1 oz)
AY-B8620	125 kHz	FP & Prox	TCP/IP, Wiegand, RS-485	2.5 cm	7K**	up to 7K	100K	✓		IP65	12	780 g (27.5 oz.)
AY-B8650	13.56 MHz	FP & Prox	TCP/IP, Wiegand, RS-485	2.5 cm	7K**	up to 7K	100K	✓		IP65	12	780 g (27.5 oz.)
DR-B8000			USB								5	
9000 SERIES												
AY-B9120BT*	2.4 GHz + 125 kHz	FP & Prox & Bluetooth	TCP/IP, Wiegand, RS-485	BLE - 12M / EM - 5 cm	20K	Up to 10K	100K	✓	✓	IP65	Unique Power supply	700 g (1.54 lbs)
AY-B9150BT*	2.4 GHz + 13.56 MHz	FP & Prox & Bluetooth	TCP/IP, Wiegand, RS-485	BLE - 12M / MIFARE - 5 cm	20K	Up to 10K	100K	✓	✓	IP65	Unique Power supply	700 g (1.54 lbs)
AY-B9250BT*	2.4 GHz + 13.56 MHz	FP & Prox & Bluetooth	TCP/IP, Wiegand, RS-485	BLE - 12M / MIFARE - 5 cm	20K	Up to 10K	100K	✓	✓	IP65	Unique Power supply	700 g (1.54 lbs)
AY-B9350	125 kHz + 13.56 MHz	Face & FP & Prox & PIN	TCP/IP, Wiegand, RS-485	MIFARE / EM - 5 cm	100K + 10K (1:1) & 2K (1:N) face	Up to 50KFP	1000K	✓		IP65	Unique Power supply	1,100 g (2.42 lbs)
DR-B9000			USB					✓			5	210 g (0.46 lbs)

\* Supports BLE-ID mobile credential.  
\*\* Loading above 3000 templates is not recommended due to extended response time.

### Legacy Biometric

Product	Frequency	Technology	Interface	Read Distance	FP Templates	Tamper Output (Open collector)	Standalone convertible (users)	Indoor	Operating Voltage (VDC)	Weight
AY-B1660A	13.56 MHz	MIFARE, Sector	Wiegand, C&D	4 cm (1.6 in.)	1:N	✓		✓	5-16	79 g (2.8 oz)
AY-B2660A	13.56 MHz	MIFARE, Sector	Wiegand, C&D	4 cm (1.6 in.)	1:N	✓		✓	5-16	156 g (5.5 oz)
AYC-B7661A	13.56 MHz	MIFARE, Sector	Wiegand, C&D	4 cm (1.6 in.)	1:N / 107	✓	107	✓	5-16	156 g (5.5 oz)
CP-R26A	13.56 MHz	MIFARE, Sector	USB		1:1, 1:N			✓	5	309 g (10.9 oz)



Credentials

Credentials are crucial for user identity validation. Rosslare offers a selection of high-quality, long-lasting credentials supporting multiple technologies as BLE, MIFARE, Alien Higgs and more.

Recognized for their high number of possible reads and extensive customization services such as programmable laser engraving and printing, our card credentials are photo ID compatible and can be directly printed on by adding an image or via thermal transfer.



NFC and BLE-ID for Mobile Devices

- Easy to use
- Ideal for no-touch operation
- Supports NFC for Android and BLE for Android & iOS
- Fits any access control system



UHF Alien Higgs-3 Credentials

- Suits any vehicle related application
- Offer great reading distance
- Comes in variety of form factors
- Ideal for hands free and no-touch operation



13.56 MHz MIFARE Classic EV1 Credentials

- Great quality and range
- Full customization services
- Comes in variety of form factors
- Original NXP chip inside



125 kHz EM and Temic Credentials

- EM and Temic
- Comes in variety of form factors
- Highly reliable, and interference-free
- Strong, sturdy, and robust




13.56 MHz MIFARE Plus & DESFire EV1

- Offers the MAXIMUM level of security
- Comes in variety of form factors
- Pre-formatted and pre-programmed
- Supports multi-applications

Credentials




















Technical Specifications

13.56 MHz MIFARE Classic EV1 Credentials




	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-D1S-000-0001 AT-D4S-000-0001	Not Programmed	MIFARE Classic EV1 – 4UID	1K/4K	ISO Card (PVC)	Not Formatted	No ID Printed
	AT-C1S-000-E000	Not Programmed	MIFARE Classic EV1 – 7UID	1K	ISO Card (PVC)	Not Formatted	No ID Printed
	AT-C1S-000-0000 AT-C4S-000-0000	Not Programmed	MIFARE Classic EV1 – 7UID	1K/4K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-C1S-26A-3000 RT-C4S-26A-3000	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	ISO Card (PVC)	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	RT-C1S-38A-3000 RT-C4S-38A-3000	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	ISO Card (PVC)	Rosslare Wiegand 38-bit	Inkjet – FC & Card ID (decimal)
	AT-D1K-000-0SB0	Not Programmed	MIFARE Classic EV1 – 4UID	1K	Key Fob (Shark)	Not Formatted	No ID Printed
	AT-C1K-000-0SB0 AT-C4K-000-0SB0	Not Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Shark)	Not Formatted	No ID Printed
	RT-C1K-26A-7SB0 RT-C4K-26A-7SB0	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Shark)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-C1K-38A-7SB0 RT-C4K-38A-7SB0	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Shark)	Rosslare Wiegand 38-bit	Laser Engraving – FC & Card ID (decimal)
	AT-C1K-000-0RB0 AT-C4K-000-0RB0	Not Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Ring)	Not Formatted	No ID Printed
	RT-C1K-26A-7RB0 RT-C4K-26A-7RB0	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Ring)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-C1K-38A-7RB0 RT-C4K-38A-7RB0	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Ring)	Rosslare Wiegand 38-bit	Laser Engraving – FC & Card ID (decimal)
	AT-C1K-000-0TB0 AT-C4K-000-0TB0	Not Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Twist)	Not Formatted	No ID Printed
	RT-C1K-26A-7TB0 RT-C4K-26A-7TB0	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Twist)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-C1K-38A-7TB0 RT-C4K-38A-7TB0	O2S – Programmed	MIFARE Classic EV1 – 7UID	1K/4K	Key Fob (Twist)	Rosslare Wiegand 38-bit	Laser Engraving – FC & Card ID (decimal)



13.56 MHz MIFARE Plus Credentials

	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-P2S-000-0000 AT-P4S-000-0000	Not Programmed	MIFARE Plus S	2K/4K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-P2S-26A-3000 RT-P4S-26A-3000	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	ISO Card (PVC)	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	RT-P2S-38A-3000 RT-P4S-38A-3000	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	ISO Card (PVC)	Wiegand 38-bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-P2K-000-0SB0 AT-P4K-000-0SB0	Not Programmed	MIFARE Plus S	2K/4K	Key Fob (Shark)	Not Formatted	No ID Printed
	RT-P2K-26A-7SB0 RT-P4K-26A-7SB0	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	Key Fob (Shark)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-P2K-38A-7SB0 RT-P4K-38A-7SB0	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	Key Fob (Shark)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-P2K-000-0RB0 AT-P4K-000-0RB0	Not Programmed	MIFARE Plus S	2K/4K	Key Fob (Ring)	Not Formatted	No ID Printed
	RT-P2K-26A-7RB0 RT-P4K-26A-7RB0	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	Key Fob (Ring)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-P2K-38A-7RB0 RT-P4K-38A-7RB0	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	Key Fob (Ring)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-P2K-000-0TB0 AT-P4K-000-0TB0	Not Programmed	MIFARE Plus S	2K/4K	Key Fob (Twist)	Not Formatted	No ID Printed
	RT-P2K-26A-7TB0 RT-P4K-26A-7TB0	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	Key Fob (Twist)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-P2K-38A-7TB0 RT-P4K-38A-7TB0	O2S – Rosslare Keys	MIFARE Plus S	2K/4K	Key Fob (Twist)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X2S-000-0000 AT-X4S-000-0000	Not Programmed	MIFARE Plus X	2K/4K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-X2S-26A-3000 RT-X4S-26A-3000	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	ISO Card (PVC)	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	RT-X2S-38A-3000 RT-X4S-38A-3000	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	ISO Card (PVC)	Wiegand 38-bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-X2K-000-0SB0 AT-X4K-000-0SB0	Not Programmed	MIFARE Plus X	2K/4K	Key Fob (Shark)	Not Formatted	No ID Printed
	RT-X2K-26A-7SB0 RT-X4K-26A-7SB0	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	Key Fob (Shark)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-X2K-38A-7SB0 RT-X4K-38A-7SB0	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	Key Fob (Shark)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X2K-000-0RB0 AT-X4K-000-0RB0	Not Programmed	MIFARE Plus X	2K/4K	Key Fob (Ring)	Not Formatted	No ID Printed
	RT-X2K-26A-7RB0 RT-X4K-26A-7RB0	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	Key Fob (Ring)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-X2K-38A-7RB0 RT-X4K-38A-7RB0	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	Key Fob (Ring)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X2K-000-0TB0 AT-X4K-000-0TB0	Not Programmed	MIFARE Plus X	2K/4K	Key Fob (Twist)	Not Formatted	No ID Printed
	RT-X2K-26A-7TB0 RT-X4K-26A-7TB0	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	Key Fob (Twist)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-X2K-38A-7TB0 RT-X4K-38A-7TB0	O2S – Rosslare Keys	MIFARE Plus X	2K/4K	Key Fob (Twist)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

13.56 MHz MIFARE DESFire EV1 Credentials


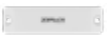





	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-V2S-000-0000 AT-V4S-000-0000 AT-V8S-000-0000	Not Programmed	MIFARE DESFire EV1	2K/4K/8K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-V2S-26A-3000 RT-V4S-26A-3000 RT-V8S-26A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	2K/4K/8K	ISO Card (PVC)	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	RT-V2S-38A-3000 RT-V4S-38A-3000 RT-V8S-38A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	2K/4K/8K	ISO Card (PVC)	Wiegand 38-bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-V2K-000-0SB0 AT-V4K-000-0SB0 AT-V8K-000-0SB0	Not Programmed	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Shark)	Wiegand 26-bit	No ID Printed
	RT-V2K-26A-7SB0 RT-V4K-26A-7SB0 RT-V8K-26A-7SB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Shark)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-V2K-38A-7SB0 RT-V4K-38A-7SB0 RT-V8K-38A-7SB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Shark)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V2K-000-0RB0 AT-V4K-000-0RB0 AT-V8K-000-0RB0	Not Programmed	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Ring)	Not Formatted	No ID Printed
	RT-V2K-26A-7RB0 RT-V4K-26A-7RB0 RT-V8K-26A-7RB0	O2S – Rosslare	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Ring)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-V2K-38A-7RB0 RT-V4K-38A-7RB0 RT-V8K-38A-7RB0	O2S – Rosslare	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Ring)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V2K-000-0TB0 AT-V4K-000-0TB0 AT-V8K-000-0TB0	Not Programmed	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Twist)	Not Formatted	No ID Printed
	RT-V2K-26A-7TB0 RT-V4K-26A-7TB0 RT-V8K-26A-7TB0	O2S – Rosslare	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Twist)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	RT-V2K-38A-7TB0 RT-V4K-38A-7TB0 RT-V8K-38A-7TB0	O2S – Rosslare	MIFARE DESFire EV1	2K/4K/8K	Key Fob (Twist)	Wiegand 38-bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)









Credentials

Technical Specifications

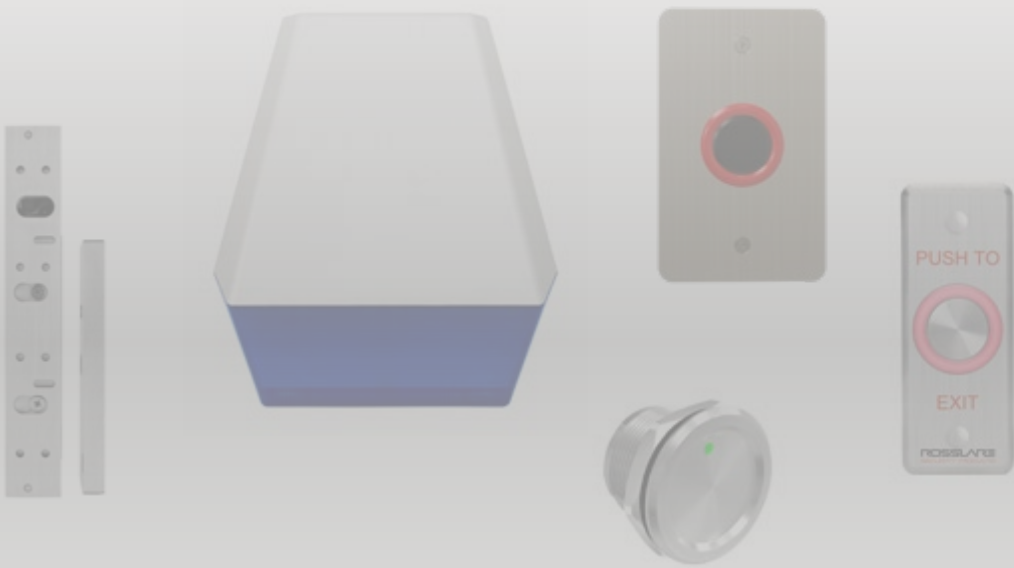
UHF Alien Higgs-3 Credentials

	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	LT-UVS-26A-3000	Programmed	ISO18000-6C	64 Bytes	ISO Card (PVC)	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	LT-UVH-26A-3100	Programmed	ISO18000-6C	64 Bytes	Hard Tag	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	LT-UVH-26A-7000	Programmed	ISO18000-6C	64 Bytes	Hard Tag	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	LT-UVT-26A-3001	Programmed	ISO18000-6C	64 Bytes	Tamper Paper Label	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	AT-UVT-000-0001	Not Programmed	ISO18000-6C	64 Bytes	Tamper Paper Label	Not Formatted	No ID Printed
	AT-Z4S-000-0001	Not Programmed	ISO18000-6C + MIFARE Classic EV1	4K MIFARE 64 Bytes UHF	ISO Card (PVC)	Not Formatted	No ID Printed
	LT-UVG-26A-3001	Programmed	ISO18000-6C	64 Bytes	Glass Inlay Label	Wiegand 26-bit	Inkjet – FC & Card ID (Decimal)

125 kHz EM and Temic Credentials

	Part Number	Type	Technology	Prog. Mem. Size	Form Factor	Format	ID Printing
	AT-TUC-000-0001 AT-TUC-000-0000	Not Programmable	TEMIC (ASK)	32 Bytes	Clamshell Card	Not Formatted	No ID Printed
	AT-TUS-000-0001 AT-TUS-000-0000	Not Programmable	TEMIC (ASK)	32 Bytes	ISO Card (PVC)	Not Formatted	No ID Printed
	AT-ERC-26A-3001 AT-ERC-26A-3000	Not Programmable	EM	Read-Only	Clamshell Card	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	AT-ERS-26A-3001 AT-ERS-26A-3000	Not Programmable	EM	Read-Only	ISO Card (PVC)	Wiegand 26-bit	Inkjet – FC & Card ID (decimal)
	AT-ERK-26A-7RB0 AT-ERK-26A-7RL0	Not Programmable	EM	Read-Only	Key Fob (Ring)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)
	AT-ERK-26A-7TB0 AT-ERK-26A-7TTL0	Not Programmable	EM	Read-Only	Key Fob (Twist)	Wiegand 26-bit	Laser Engraving – FC & Card ID (decimal)

Accessories



Door Accessories

EX (REX) Buttons

Rosslare has it all under one roof, featuring an extensive selection of general accessories such as power supplies, connectivity products, wireless receivers, and a comprehensive list of door accessories such as switches, electromagnetic locks and REX buttons.



**EX-06**  
Analog Piezoelectric REX Switch with Toggle Option



**EX-16**  
Analog Mullion Size Piezoelectric REX Switch with Toggle Option



**EX-07**  
Digital Piezoelectric REX Switch with Toggle Option



**EX-17**  
Digital Mullion Size Piezoelectric REX Switch with Toggle Option

KEY FEATURES

- Highly-sensitive piezoelectric REX button series
- Adjustable lock release time using potentiometer
- Up to 2 A switching current
- Standard single US gang box and mullion sizes
- Basic, non-powered analog model (EX-06, EX-16)
- Advanced digital model (EX-07, EX-17)
- Externally controlled lighting and built-in sounder
- External input for alarm/evacuation light flashing indications
- Stainless steel surface and potted, sealed interior with external connections and setup compartment (EX-06, EX-16, EX-07, EX-17)
- Custom labeling per demand

Door Accessories

EX (REX) Buttons



**EX-H22N**  
Passive Infrared Anti-Vandal Motion Sensor Switch  
• No-touch switch



**EX-M22N**  
Passive Infrared Anti-Vandal Motion Sensor Switch  
• No-touch switch



**EX-H22**  
Passive Infrared Motion Sensor Switch  
• No-touch switch



**EX-M22**  
Passive Infrared Motion Sensor Switch  
• No-touch switch



**EX-H04**  
Plastic Slim Piezoelectric REX Switch with Light Ring



**EX-M04**  
Plastic Slim Piezoelectric REX Switch with Light Ring



**EX-01**  
Plastic Switch with "PUSH TO EXIT" lettering



**EX-02**  
Plastic Switch with "EMERGENCY" lettering

Door Accessories

PX Switches



**PX-13**  
Small Metallic  
Piezoelectric  
Push Button

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■



**PX-34**  
Small Metallic  
Piezoelectric  
Push Button with  
Toggle Option and  
Ring LED

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**PX-23**  
Small Metallic  
Piezoelectric  
Push Button  
with Spot LED

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Door Accessories

Electromagnetic Locks



**LK-M12L**  
1200 lb / 540 kg  
Electromagnetic Lock  
with Lock Status &  
Indicator



**LK-M06L**  
600 lb / 270 kg  
Electromagnetic Lock  
with Lock Status &  
Indicator



**LK-M03**  
300 lb / 134 kg  
Electromagnetic Lock  
with Lock Status &  
Indicator



**LA-L12 + LA-Z12**  
Adjustable L-Bracket  
and L&Z Bracket for  
LK-M12L



**LA-L06 + LA-Z06**  
Adjustable L-Bracket  
and L&Z Bracket for  
LK-M06L



**LA-L03 + LA-Z03**  
Adjustable L-Bracket  
and L&Z Bracket for  
LK-M03



**LA-U12**  
U-Bracket for Glass Door,  
for use with LK-M12L &  
LK-M06L



**LA-U03**  
U-Bracket for Glass Door,  
for use with LK-M03

Door Accessories

Wired Sensors



**SA-01PW**  
Digital Wired Pet Immune PIR Motion Detector

- Power Level Discriminator: Special lens combines power algorithm, ignores small-to medium-sized animals, while maintaining a high level of human detection



**PYR-4122**  
Analog Wired PET Immune Passive IR Motion Detector

- Flexibility of operation and installation
- Vertical adjustment – 3-height scale



**PYR-0021**  
Advanced Compact Spherical Lens PIR Detector

- Optional curtain adaptor for narrowed detection
- SSFL technology (look-down)



**PYR-1021**  
Dual PIR / Microwave Motion Detector with Anti-masking

- Optional curtain adaptor for narrowed detection
- SSFL technology (look-down)



**PYR-2023**  
Ceiling PIR Motion Detector



**PYR-3021**  
Wired Ceiling PIR Motion Detector

- Extra wide, free height installation, with no PCB adjustment required

Door Accessories

Wired Sensors



**SA-64-2W**  
Photoelectric Smoke Detector for Conventional Fire Alarms



**SA-64-3W**  
Photoelectric Smoke Detector for Wired Intrusion Panels



**SH-02**  
Magnetic Contact



**SH-12**  
Cylindrical Magnetic Contact



**SA-31**  
Wired Flood Detector

- Supplied with a 150-cm (4.92-ft) cable



**SA-21**  
Hardwired Vibration Detector



# Door Accessories

## Wired Sensors & Sounders



**SA-95A/L**  
Wired Mini-piezoelectric Siren and Strobe

- Piezoelectric siren with strobe
- Small footprint
- Water-resistant, meets IP65



**SA-91A/L**  
Advanced Wired Piezoelectric Siren and Strobe

- Selectable siren time
- Battery backup and charge
- LED indications for low battery, tamper, and AC failure
- Water-resistant, meets IP65



**BR-12**  
Wall and Ceiling Bracket for PIR Detectors



**BR-11**  
Wall Bracket for PIR Detectors



**SA-96A/L**  
Hardwired Piezoelectric Siren and Strobe

- 3 piezoelectric sounders
- 10 ultra-bright strobe LED arrays
- Water-resistant, meets IP65



**BL-D40**  
Compact Bell and Strobe Unit for Standalone Controllers



**BR-41**  
Swivel Wall and Ceiling Bracket for PIR Detectors

# Other Accessories

## Wireless Universal Receivers/Sensors



**SA-38**  
Universal 8-Channel Receiver



**SA-01P**  
Wireless Digital Pet Immune Passive Infrared Detector

- Power Level Discriminator: Special lens combined with a power algorithm ignores small-to medium-sized animals while maintaining a high level of human detection
- Reported events: tamper, low battery, alarm



**PYR-3011**  
Wireless Ceiling PIR Motion Detector

- Digital electrical and magnetic protection: distinguishes between electrical interference and real temperature changes
- Detection range: 7-m (23-ft) diameter, 360° @ 2.4-m (7.9-ft) height



**SA-01**  
Wireless Passive Infrared Detector

- Detection range (standard lens) of 14 m (45.9 ft), 140°
- LED indicator/test mode button



**PYR-2011A**  
Advanced Wireless Spherical Lens PIR Detector

- Unique spherical Fresnel lens with look-down area, 12 m (39.4 ft) range at 90°



**SA-K02**  
Wireless Magnetic Contact Detector

- Case and back tamper detection
- LED indicator



Other Accessories

Wireless Sensors

SA-K25

Dual Input Programmable Wire to RF Transmitter

- Built-in magnetic sensor, with open/close event transmission

SA-19

Wireless Glass Break Detector

- 6 m (20 ft) detection range

SA-61

Wireless Photoelectric Smoke Detector

- Local alarm sounder
- LED indicator for transmissions
- Detector removal tampering and low battery messages

SA-65

Wireless Carbon Monoxide Detector

- Supervised for tamper and low battery sensing
- LED indicators for alarm and RF transmission

SA-30

Wireless Flood Detector

SA-33

Wireless Hand-Held 5-Button Remote Control

- Easy-to-operate, re-programmable emergency button
- Water-resistant, meets IP65
- Thin light bar visual indicator

SA-90

Wireless Piezoelectric Siren & Strobe

- Battery backup and charge
- LED indications for low battery, tamper, and AC failure

Other Accessories

Connectivity & Cabling

MD-W11N/F

Wireless Access Control Door Interface Near Unit / Far Unit

MD-W11BP

Wireless Access Control Interface Power Backup Unit

MD-W11 / MD-W11BP  
KEY FEATURES

- Maximum range up to 300 m (985 ft) outdoors
- Overall response time of 500 ms when used with Rosslare's controllers and readers
- Compatible with all of Rosslare's readers and with any third-party units using standard Wiegand format of PIN code and credentials
- Case and wall tamper protection

MD-N32

RS-232 to Ethernet Gateway

MD-08B

Programming Interface for Smart Card Readers

MD-24U

USB to RS-232 Converter Cable

MD-14U

RS-485 to USB Converter Cable

MD-62U

RS-232 TTL to USB Converter Cable

# Other Accessories

## Mounting



**MP-06**  
External Mount Metal Enclosure

- Compatible with EX-06, EX-07, EX-04, EX-22 series buttons and MP-H03



**MP-16**  
External Mount Metal Enclosure

- Compatible with EX-16, EX-17 Piezoelectric Buttons and MP-J03



**MP-H03**  
Mounting Plate for PX Series Piezoelectric Push Buttons

- Compatible with PX-13, PX-23, and PX-34 piezoelectric buttons



**MP-J03**  
Mounting Plate for PX Series Piezoelectric Push Buttons

- Compatible with PX-13, PX-23, and PX-34 piezoelectric buttons



**MP-M03**  
Mounting Plate for PX Series Piezoelectric Push Buttons

- Compatible with PX-13, PX-23, and PX-34 piezoelectric buttons

# Other Accessories

## Mounting



**MP-K35**  
Mount Spacer for AY-K35 Reader



**MP-K01**  
Mount Spacer for AY-K12C /AY-K6255 Readers



**MP-Z02**  
Mount Spacer for AY-Z12A Reader



**MP-G02**  
Flush mount housing for AC-G43/44 standalone controllers and AYC-G54/64 convertible readers

Note: Mounting plate only, the PX Switch is sold separately

Other Accessories

Power Supplies and Batteries



ME-0515M

Multipurpose Power Management Enclosure

- Two isolated output channels: 12 VDC at 2 Amp (4 Amps total)
- Power Management Board with 7AH Lead Acid battery charger
- Universal Input Voltage 100 VAC to 240 VAC 50/60Hz auto select
- Tough metal enclosure featuring Rosslare's PowerLock™ C13 socket



PS-C25TB

Power Management Enclosure with built in Secure Relay I/O Module

- A factory configured kit including the MD-25TB and the ME-0515M



MD-25TB

Secure Relay I/O Module

- Converts any AYC reader into a Secure Standalone Controller
- Proprietary communications protocol
- Security critical IOs all contained within the secure premises



BT-05

Compact 12 V Sealed Lead Acid Battery



BT-16

Compact 12 V NiMH Battery

Accessories

Technical Specifications

Door Accessories – Exit Buttons & Piezoelectric Switches

Product	Switch type	Sensor/Switch type	Led type	Led control	Button	IP Rating	Operating Voltage (VDC)	Weight
EX-06	Piezo	Analog (Toggle / Pulse)	Ring		Piezo	IP65	10-24	238 g (8.4 oz.)
EX-16	Piezo	Analog (Toggle / Pulse)	Ring		Piezo	IP65	10-24	173 g (6.1 oz.)
EX-07	Piezo	Digital	Square		Piezo	IP65	12-24	277 g (9.8 oz.)
EX-17	Piezo	Digital	Square		Piezo	IP65	12-24	205 g (7.2 oz.)
EX-H22N	Infrared	Motion	Ring	✓	No Touch	IP68	8-30	193.1 g (6.8 oz.)
EX-M22N	Infrared	Motion	Ring	✓	No Touch	IP68	8-30	179.1 g (6.3 oz.)
EX-H22	Infrared	Motion	Ring	✓	No Touch	IP68	8-30	50 g (1.76 oz)
EX-M22	Infrared	Motion	Ring	✓	No Touch	IP68	8-30	55 g (1.94 oz)
EX-H04	Piezo	N.O.	Ring	✓	Piezo	IP65	8-30	50 g (1.76 oz)
EX-M04	Piezo	N.O.	Ring	✓	Piezo	IP65	8-30	55 g (1.94 oz)
EX-01	Mechanical	N.O.			Push		30	15.6 g (0.55 oz)
EX-02	Mechanical	N.O.			Push		30	15.6 g (0.55 oz)
PX-13	Piezo	N.O.			Piezo	IP68	5-30	22 g (0.8 oz)
PX-23	Piezo	N.O.	Dot		Piezo	IP68	5-30	22 g (0.8 oz)
PX-34	Piezo	Toggle	Ring	✓	Piezo	IP68	5-30	22 g (0.8 oz)

Door Accessories – Electromagnetic Locks

Product	Device type	Type	Holding Force (pound)	Door compatibility	Operating Voltage (VDC)	Weight
LK-M03	Maglock	Lock	136kg (300lb)		Dual 12 / 24 VDC	Main 0.63 kg (1.39 lbs) Contact 0.25 kg (0.55 lb)
LK-M06L	Maglock	Lock	272kg (600lb )		Dual 12 / 24 VDC	Main 1.22 kg (2.7 lbs) Contact 0.66 kg (1.45 lbs)
LK-M12L	Maglock	Lock	544kg (1200lb)		Dual 12 / 24 VDC	Main 3.09 kg (6.8 lbs) Contact 1.39 kg (3.06 lbs)
LA-L03 / LA-Z03	Bracket	Bracket for LK-M03		inswing door		145 g (0.32 lb) / 376 g (0.83 lb)
LA-L06 / LA-Z06	Bracket	Bracket for LK-M06L		inswing door		233 g (0.51 lb) / 457g (1 lb)
LA-L12 / LA-Z12	Bracket	Bracket for LK-M12L		inswing door		474 g (1.05 lbs) / 746 g (1.64 lbs)
LA-U03 / LA-U12	Bracket	Bracket for LK-M03/ M06L and M12L		glass door		378 g (0.83 lb) / 550 g (1.21 lbs)





# Accessories

## Technical Specifications

### Door Accessories – Wired Sensors & Sounders

Product	Device and Sensor type	Technology and features	Analog/Digital	Hardwire	Field of view / MAX coverage	Tamper	Operating Voltage (VDC)	Weight
PYR-4122	Motion	PIR	A	V		Cover	9-16	90 g (3.2 oz)
PYR-0021	Motion	PIR 14 m (46 ft.)	D	V	H:115°	Cover/Back	9-16	70 g (2.4 oz)
PYR-1021	Motion	PIR 14 m (46 ft.)	D	V	H:115°	Cover/Back	9-16	100 g (3.5 oz)
PYR-2023	Motion	PIR/Microwave	D	V	H:115°	Cover/Back	9-16	130 g (4.6 oz)
PYR-3021	Motion	Ceiling QUAD PIR	D/A	V	360°; 7m (23ft.) dia @ 2.4m (7.8ft) height	Cover/Back	9-16	84 g (2.96 oz)
SA-64-2W	Fire	Photoelectric Smoke		V		Sensor Base/Back	8.5-30	120 g (4.23 oz)
SA-64-3W	Fire	Photoelectric Smoke		V		Sensor Base/Back	8.5-30	120 g (4.23 oz)
SA-31	Flood	Flood		V			10-16	28.5 g (1.01 oz.)
SA-21	Vibration	Vibration		V		Cover/Back	8-16	47 g (1.66 oz)
SA-01PW	Motion	DUAL PIR 14m (46 ft.)	D	V	H:88°	Cover	9-16	84.2 g (2.97 oz.)
SH-02	Magnetic	Magnetic		V				10 g (0.36 oz)
SH-12	Magnetic	Magnetic		V				6 g (0.21 oz)
SA-95A/L	Siren	Siren/Strobe mini		V			8-14	200g (70 oz.)
SA-96A/L	Siren	Siren/Strobe large		V			8-14	607 g (21.3 oz)
SA-91A/L	Siren	Siren / Strobe		V		Cover/Back	10-18	650 g (23 oz.)
BL-D40	Bell	Siren/Bell/Strobe		V			12-24	120 g (4.2 oz)

# Accessories

## Technical Specifications

### Other Accessories – Wireless receivers & Sensors

Product	Device and Sensor type	Technology and features	Frequency (MHz)	Operating Voltage	Weight
SA-38	Wireless receiver	Universal 8-Channel (32 devices) RF Receiver	418 / 868	12VDC	320 g (0.70 lbs)

Product	Device and Sensor type	Technology and features	Analog/Digital	Field of view / MAX coverage	Tamper	Battery type/life years	Weight
SA-01	Motion	PIR	D	14 x 14 m (46 x 46 ft), 88°	Cover/Back	CR123 /3y	84.2 g (3.0 oz.)
SA-01P	Motion	PIR	D	14 x 14 m (46 x 46 ft), 88°	Cover/Back	CR123/3y	84.2g (3.0 oz.)
PYR-2011A	Motion	PIR	D/A	H:90°; 12x12m (39.5 x 39.5ft)	Cover/Back	CR123 /3y	123 g (4.3 oz)
PYR-3011	Motion	Ceiling QUAD PIR	D/A	360°; 7m (23ft.) dia @ 2.4m (7.87ft.) height	Cover/Back	CR123 /3y	106 g (3.8 oz)
SA-K02	Magnetic	Magnetic	A		Cover/Back	CR123 /3y	37 g (1.3 oz)
SA-K25	Wire to RF transmitter	Dual Input Programable			Cover/Back	CR123 /3y	63 g (2.22 oz)
SA-19	Glass Break	Glass Break	D		Cover/Back	CR123 /4.5-10y	150 g (0.35 lb)
SA-61	Fire	Photoelectric Smoke	D		Sensor base/Back	CR123 /3y	120 g (4.23 oz)
SA-65	Fire	Carbon Monoxide	D		Sensor base/Back	CR123 /1.5y	155 g (5.5 oz)
SA-30	Flood	Flood				CR123 /3y	28.5 g (1.01 oz.)
SA-90	Siren	Siren			Cover/Back	15V DC	670 g (24 oz.)
SA-33	Remote	5 button remote control	D			CR2450/3y	16 g (0.56 oz.)



# Accessories

## Technical Specifications

### Other Accessories – Connectivity & Cabling & Power Supplies

Product	Description	Conversion from/to	Operating Voltage	Weight
Reader programmer				
MD-08B	Programming Interface for Smart Card Readers	RS232	12-15	75 g (2.6 oz.)
Converter and communication cables				
MD-N32	RS-232 to Ethernet Gateway	RS232/TCPIP	10-16	92 g (3.25 oz)
MD-W11	Wireless Access Control Door Interface	Wiegand/RF/Wiegand	15-24	155 g (5.5 oz)
MD-14U	RS-485 to USB Converter Cable	RS-485/USB		75g
MD-24U	RS-232 to USB Converter Cable	RS-232/USB		88g
MD-62U	RS-232 TTL to USB Converter Cable	TTL/USB		87g
Power supply				
MD-25TB	Secure Relay I/O Module		12VDC	0.155 kg (0.34 lb)
ME-0515M	Multipurpose Power Management Enclosure		12VDC	2.1 kg (4.6 lb)
PS-C25TB	Power Management Enclosure with built in Secure Relay I/O Module		110 VAC to 240 VAC 50/60Hz auto select	2.21 kg (4.87 lb)

### Other Accessories – Mounting

Mounting	Description	Compatible product
MP-K35	Mounting spacer	AY-K35
MP-06	Wall flush mount box "H" series	EX-06, EX-07, EX-H04, EX-H22, EX-H22N, MP-H03
MP-16	Wall flush mount box "J" series	EX-16, EX-17, MP-J03
MP-G02	Wall flush mount box "G" series	AC-G43, AC-G44, AYC-G54, AYC-G60, AYC-G64
MP-H03	Mounting plate for PX series US Gang	PX-13, PX-23, PX-34
MP-J03	Mounting plate for PX series mullion	PX-13, PX-23, PX-34
MP-M03	Mounting plate for PX series UK Gang	PX-13, PX-23, PX-34
MP-K01	Mounting spacer "K" series	AY-K2B, AY-K5B, AY-K12C, AY-K25B, AY-K6255
MP-Z02	Mounting spacer	AY-Z12A
BR-12	Wall and Ceiling Bracket for PIR Detectors	SA-01, PYR-4122
BR-41	Swivel Wall and Ceiling Bracket for PIR Detectors	PYR-0021, PYR-1021, PYR-2011, PYR-2023
BR-11	Wall Bracket for PIR Detectors	SA-01PW

Guard Patrol



# Guard Patrol

DigiTool® System

The Rosslare DigiTool® guard patrol system integrates a complete range of high performance private- and public-sector products specifically designed for patrol and data acquisition applications, enabling more effective security staff monitoring and supervision.



### GC-01

Data Acquisition Reader

- Rugged and waterproof, dust resistant design
- Internal rechargeable battery for 6-month use or 300,000 readings



### GC-02

Data Acquisition Reader Base / Charger

- RS-232 docking station for data upload to PC and reader battery charger
- 3-colored LED and buzzer indications



### GC-03

Data Acquisition Reader Charger

- Reader docking station functions as a battery charger
- 2-colored LED



### GA-01

iButton Location Tag

- Rugged and waterproof



# Guard Patrol

DigiTool® System



### GA-02

Event Wallet

- Portable wallet for special event reporting during guard patrol
- 10 event iButtons



### GA-06

Leather Holster for GC-01



### MD-24U

USB to RS-232 Converter Cable



### GS-01

DigiTool® Reports Lite™ PC Software

# Guard Patrol

Kits

## Product Selection Guide



**GC-K01**  
DigiTool® Starter Kit

- Includes: GC-01, GC-02, GA-02, GA-01B, GA-06, GS-01



**GC-K03**  
DigiTool® Guard Upgrade Kit

- Includes: GC-01, GC-03, GA-02, GA-06, compatible PS





Product Selection Guide

Software	AxTrax Platform	Server	AxTraxNG™	6
		Modules	AxTime™	7
	Mobile Apps	BLE-Admin, BLE-ID		20, 21, 23, 24, 45
Controllers	Networked Control Panels	Control Panels	AC-825IP, AC-215-B/215IP-B, AC-225-B/225IP-B, AC-425-B/425IP-B	10-11
		Expansion Boards	R-805, D-805, S-805, P-805, MD-D02B, MD-D04B, MD-IO84B	10-11
		Enclosures	ME-1015, ME-1515	12
	Small Access Controllers	Entry-Level	AC-115 & AS-115, AC-015 & AS-015, AC-020	13
		Standalone	AC-Q41HB/SB, AC-Q42HB/SB, AC-Q44, AC-T43, AC-S43, AC-F43, AC-F44, AC-G43, AC-G44, AC-B32, AC-D32	14-16
	Technical Specifications			17
Readers  Multi Technology	13.56 MHz	Multi-Smart™	AY-K35	20
		CSN SMART™	AY-H6255BT, AY-H6355BT	21
		CSN SELECT™	AY-M6255, AY-K6255, AY-H6255, AY-L6255, AY-R6255, AY-Q6255, AYC-M6355, AYC-H6355, AYC-Q6355, DR-6255	22-23
		UHF Long Range	AY-U915BT, AY-U920BT, DR-U955BT, AY-L23, SA-23-B2, SA-23-B4	24-25
Readers  Single Technology	13.56 MHz	Open to Secure® - O2S®	AY-H6270B, AY-H6280B, AY-H6370B, AY-H6380B, AY-G6270B, AY-G6280B, AY-G6370B, AY-G6380B, DR-6280, CP-R27, AS-B01 SW	26-27
		MIFARE® Classic CSN	AY-M5B, AY-H5B, AY-L5B, AY-K5B, AY-T6350, AY-M25B, AY-H25B, AY-L25B, AY-K25B	28-29
		MIFARE® Sector	AY-M26, AY-W6260, AY-W6360, AY-Q6260, AY-Q6360	30
	125 kHz	PROX and goPROX	AY-K12C, AY-L12C, AY-H12C, AY-M12C, AY-Q12C, AYC-G60, AYC-F60, AYC-G64, AYC-F64, AY-M2B, AY-H2B, AY-L2B, AY-K2B, AYC-E65B/BG/BB, AYC-E60N/B, AYC-T65N/B, AYC-Q64B, AYC-Q60, AY-V12B, AY-V64B, AY-Z12A, DR-12C	31-35
			MD-12C, MD-12W	35
		PIN Code	AYC-G54, AYC-F54, AYC-E55, AYC-Q54B, AY-D09M	36
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Biometric Terminals		Bio8000	AY-B8520, AY-B8550, AY-B8620, AY-B8650, DR-B8000, Bio8000 SW	44
		Bio9000	AY-B9120BT, AY-B9150BT, AY-B9250BT, AY-B9350, DR-B9000, Bio9000 SW	45-46
	13.56 MHz	Legacy Biometric	AY-B1660A, AY-B2660A, AYC-B7661A, CP-R26A, AS-B01 SW	47
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Product Selection Guide

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		MIFARE Classic Credentials		50
		UHF Alien Higgs-3 Credentials		50
		EM and Temic Credentials		50
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		PX Switches	PX-13, PX-23, PX-34	58
		Electromagnetic Locks	LK-M12L, LK-M06L, LK-M03, LA-L12, LA-Z12, LA-L06, LA-Z06, LA-L03, LA-Z03, LA-U12, LA-U03	59
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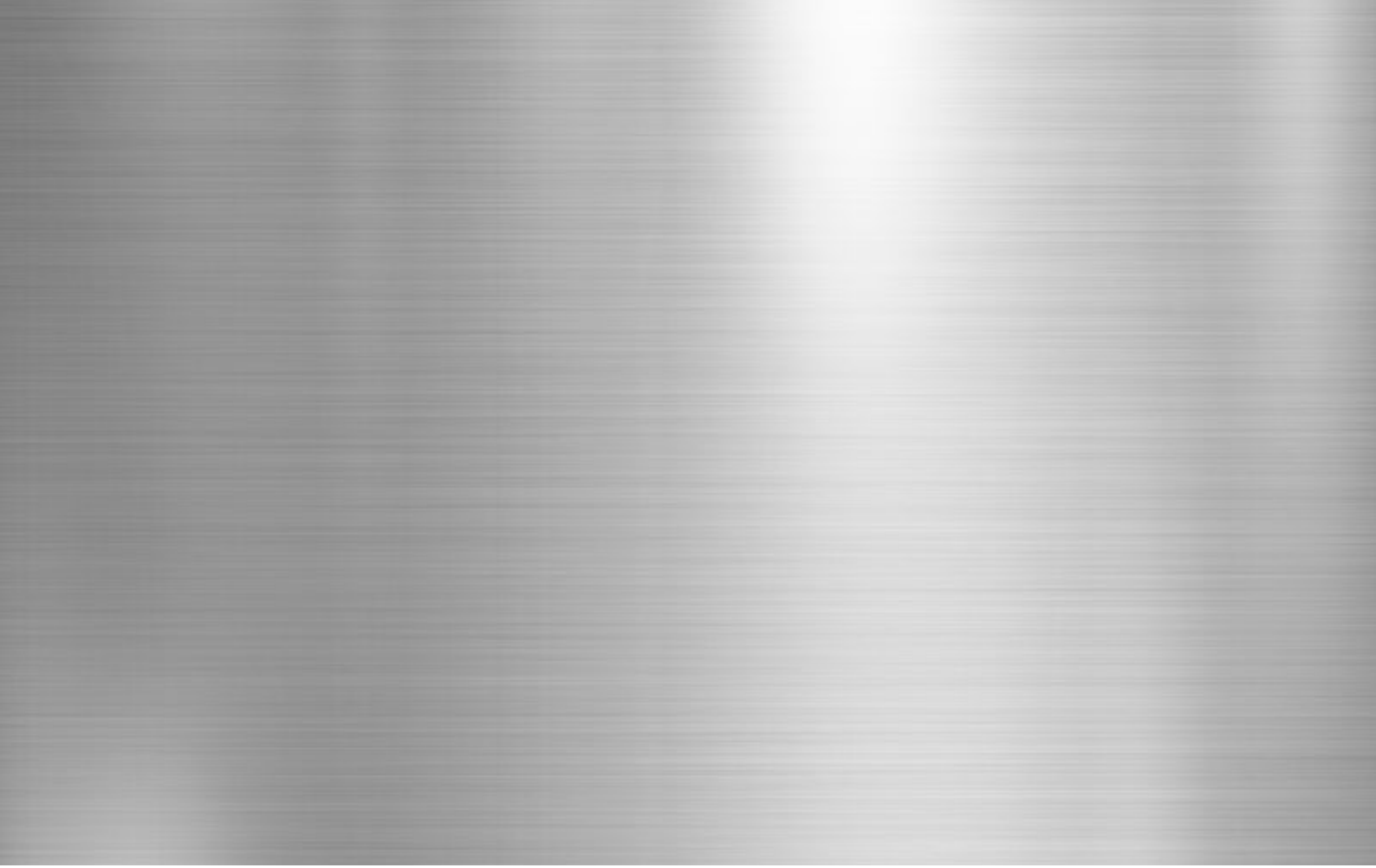
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