Open to Secure® (O2S®)

Multi-Format Readers Series

Security with flexibility built in

The Rosslare's O2S® platform comprises a highly secured line of card readers compliant with existing access control systems, combined with advanced technologies such as DESFire® EV1 and a sophisticated 128-bit credential-reader encryption.

The platform enables to choose between open key and pre-configured readers and credentials. The open key and credential management solution for DESFire® EV1 provides users with tools to configure everything inhouse in order to secure their facility and access by managing their readers and credentials settings. The pre-configured readers & credentials come with distinct custom keys and security configuration during production, helping to further reduce cost of ownership.

Equipped with OSDP secure channel, together with vandal proof, water resistance and anti-microbial properties, Rosslare's O2S® readers stand out of the crowd addressing all security, installation and maintanance needs, and can be easily tailored to specific customer requests.

Family of secured flexible readers

The Rosslare's O2S® series is a family of secured and flexible readers that meets your budget needs, yet delivers incredible value with high performance and a rich feature set.

AY-H6280   AY-H6380   AY-G6280   AY-G6380

RFID technology
The readers support reading from and writing to the secure memory of the world's most accepted RFID technologies – MIFARE® DESFire® EV1 and MIFARE Classic® EV1, including Sector Read.

Simple migration to OSDP
Supports SIA Open Supervised Device Protocol (OSDP V2) including SCP mode ("Secured Channel Protocol") bi-directional communication between the reader and door controller, making migration from Wiegand to OSDP simple.

Secured
Sensitive user data is delivered in an highly secured manner from the credentials to the reader with MIFARE® DESFire® EV1 and AES 128-bit encrypted keys and to the controller over OSDP V2 Secure Channel.

Ease of installation
True plug & play solution with pre-configured keys or an open key management platform.

Universal Wiegand support
With a wide range of Wiegand format outputs, even legacy systems can enjoy the benefits without having to replace legacy controllers or existing wiring.

Vandal proof resistance and outdoor ready

IP68   IK08

IP68 Water and Dust Resistant, IK08 Vandal Resistant.

Dual factor autentication support
Offers enhanced security powered by Rosslare AxTraxPro Access Control Management Software, enables dual credentials policy for higher security.

Innovative antimicrobial technology

UP TO
99.9%

Innovative antimicrobial technology significantly reduces the level of microbes by up to 99.9%. Cleaner and more hygienic to reduce risk of cross contamination by lowering the transfer of microbes from surface to surface.

Advanced tools for readers and credentials configuration and management
Using Rosslare CP-R27 desktop programmer and AS-B01 software configuration tool, customers can create configuration cards for reader settings and quickly prepare credentials with users data.

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Convenient options to manage your readers and credentials

Open key management

or

Pre-configuration key management

Allows customers to flexibly manage keys and security configuration, enabling to use their own DESFire® EV1 encryption keys on the readers and credentials, without exposing them to others.

Credentials management has become a serious organizational challenge. Our turnkey solution addresses demand for an easy-to-manage secured smartcard solution by offering factory pre-programmed O2S readers and credentials with customer keys built-in.

Reader configuration using a configuration card prepared on-site using Rosslare CP-R27 programmer and AS-B01 software

Credentials programming with user defined details using Rosslare CP-R27 programmer and AS-B01 software

No configuration needed for keys
Customers can easily order readers and credentials preset with their own keys or Rosslare's unique keys and data

Ease of installation
Eliminates the need for complex on-site programming of keys on the readers and private IDs on the credentials

Works out of the box as simple as legacy proximity readers, yet highly secure

⊕ Customers have the freedom and tools to easily secure their facilities as they see fit by simply creating their own credentials and configuring readers on site.

⊕ Rosslare simplifies access control management, delivering ready-to-use readers and credentials for higher security with less effort.

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USB desktop programmer for configuration cards and credentials

CP-R27 **AS-B01**

Using Rosslare CP-R27 and its AS-B01 software configuration tool, installers and customers can easily program their secured MIFARE® DESFire® EV1 and MIFARE Classic® EV1 Sector Read credentials on site, as well as create configuration cards for setting their readers.
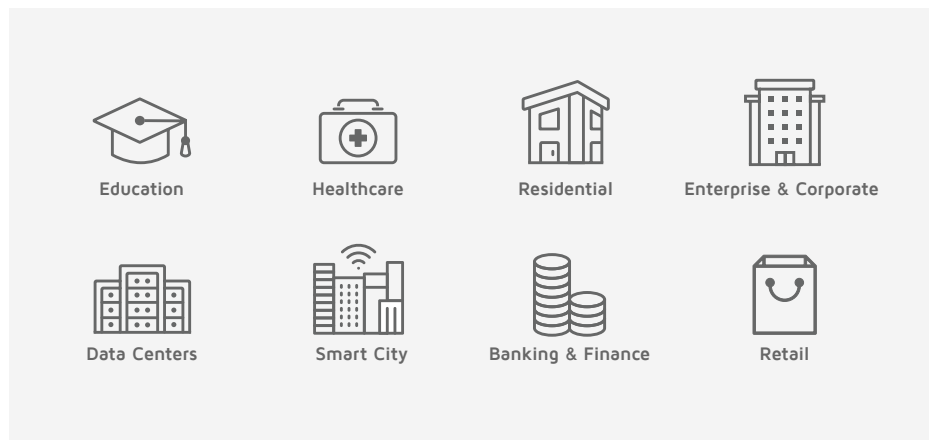
USB desktop enrollment reader

DR-6280

The DR-6280 from the O2S® series supports MIFARE® DESFire® EV1 and MIFARE Classic® EV1, including Sector Read technologies, making it easier to read the credentials data and transmit it to Rosslare access control software via USB.

O2S® credentials lineup

Supports a broad range of credential technologies, including MIFARE DESFire EV1 and MIFARE Classic in a variety of form factors, starting from most standard ISO cards through various key fobs. The credentials are available either pre-formatted or pre-programmed.

Security for any use case

Education   Healthcare   Residential   Enterprise & Corporate

Data Centers   Smart City   Banking & Finance   Retail

Rosslare's O2S® readers make the perfect solution for high security facilities, including Access Control & Parking Management in residential buildings, hospitals, laboratories, offices, smart-city, enterprises, hotels, universities, banks and more.

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System configuration

AxTraxPro™ Web Client

Internet

AxTraxPro™ Desktop Client

AxTraxPro™ Web Client

AxTraxPro™ Server

Wiegand

OSDP Secure Channel

LAN

AC-825IP Controller

Lock

Door Sensor

REX

AY-G6280

One-way Door – Free Exit

Lock

Door Sensor

Glass Break

AY-G6380

AY-G6380

Two-way Door with Glass Break

Elevator Panel

R-805

16 Outputs Expansion

AY-H6280

Elevator 16 Outputs

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