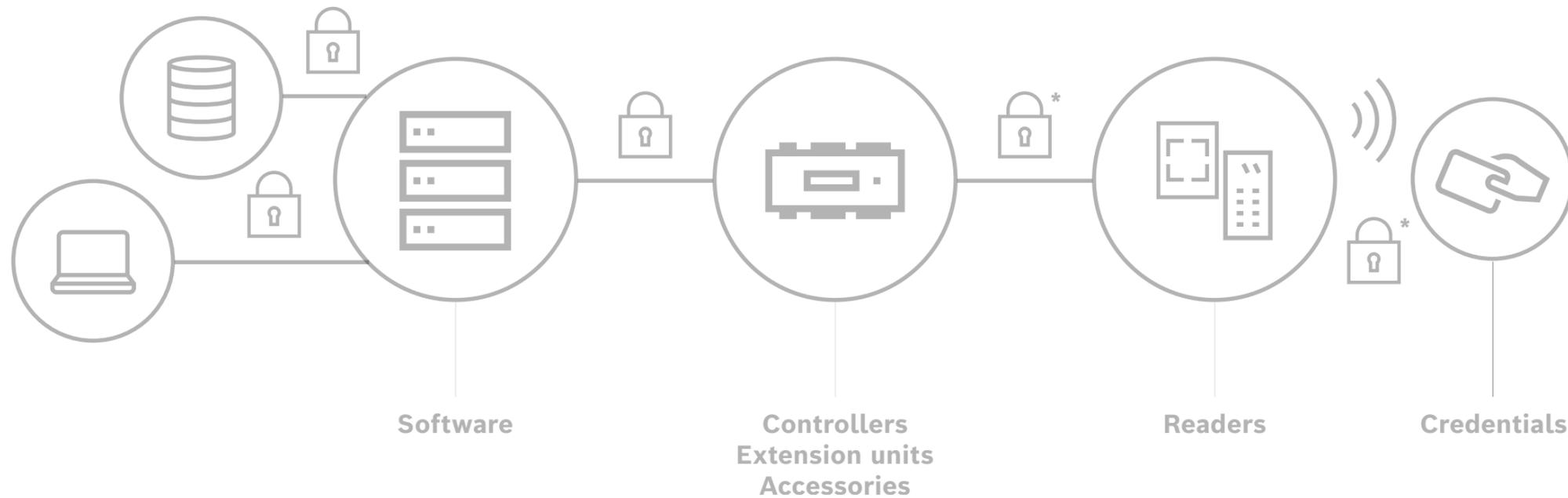


# Interactive Portfolio for Access Control

Welcome to this interactive portfolio of Bosch Access Control products. You can click on the product categories below or click on the button 'Let's start!' and follow the steps that guide you through the products we offer to build an access control system. Finally you can visit the [Wishlist](#)  for an overview of all our products and tag the products of your interest.

**LET'S START!**



Software

Controllers

Extension units

Accessories

Readers

Credentials

# Software

**Access Management System**

**Visitor management**

**Integrated solutions  
from partners**

**Mobile Access**

**Report Management**

**Credential Management**



# Controllers



**Door controller Wiegand**  
2 readers



**Door controller Wiegand**  
4-8 readers



**Door controller RS-485**  
8 readers



**Security Level**  
**Supported Reader technology**

-  Low security
-  Moderate security
-  High security



Software

**Controllers**

Extension units

Accessories

Readers

Credentials

# Extension units



**I/O extension board**  
with 8-input & 8-output



**I/O extension board**  
with 16-input & 16-output



**I extension board**  
with 16-input



**Wiegand extension board\***  
for 4 readers

*\* only applicable for: Door controller Wiegand 4-8 readers*

## Security Level

## Supported Reader technology

-  Low security
-  Moderate security
-  High security



Software

Controllers

**Extension units**

Accessories

Readers

Credentials

# Accessories



**Enclosure  
with 1 DIN rail**



**Enclosure  
with 2 DIN rails**



**Enclosure with power  
supply & DIN rail**



**Mounting plate for  
2 or 4 DIN rails**



**Power Supply Unit**

# Readers

**BIOMETRIC READERS**



**Card Reader**  
HIDprox



**Card Readers**  
EM



**Smart Card Readers**  
iCLASS/Seos



**Smart Card Readers**  
Seos



**Smart Card Readers**  
MIFARE



**Smart Card Readers**  
MIFARE/LEGIC  
Also available with Bluetooth®



**Smart Card STid Readers**  
MIFARE (WIEGAND)



**Smart Card STid Readers**  
MIFARE (OSDP)

**Security Level**  
**Supported Credential technology**

- Low security
- Moderate security
- High security



**LECTUS blue**  
BLUETOOTH® MODULE



**Request-to-exit Detectors**

**Integrated solutions from partners**

# Biometric readers

[BACK TO READERS](#)



**Fingerprint card reader**  
LED indicator



**Fingerprint card reader**  
touchscreen



**Contactless 3D fingerprint card reader**



**Contactless fingerprint reader, SP MD**



**Facial recognition card reader**



**Facial recognition reader, SP MDI**



**Fingerprint card reader**

**Security Level**

[Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security



[Software](#)

[Controllers](#)

[Extension units](#)

[Accessories](#)

**[Readers](#)**

[Credentials](#)

# Credentials | Cards



**HIDprox**  
card



**HIDprox**  
clamshell card



**EM**  
card



**EM**  
clamshell card



**iCLASS**  
card



**MIFARE classic**  
card



**MIFARE DESFire EV1**  
card




**Card container**  
with yoyo

**Security Level**  
Credential technology

- Low security
- Moderate security
- High security



**Seos**  
card (26 bit)



**Seos**  
card (37 bit)



**MIFARE DESFire EV3**  
card



# Credentials | Others



**EM**  
RFID tag



**iCLASS**  
keyfob



**iCLASS**  
adhesive tag



**MIFARE classic**  
keyfob



**Seos**  
keyfob (26 bit)



**Seos**  
keyfob (37 bit)



**MIFARE DESFire EV3**  
keyfob




**MIFARE DESFire EV1**  
keyfob



- Security Level**  
**Credential technology**
- Low security
  - Moderate security
  - High security



Software

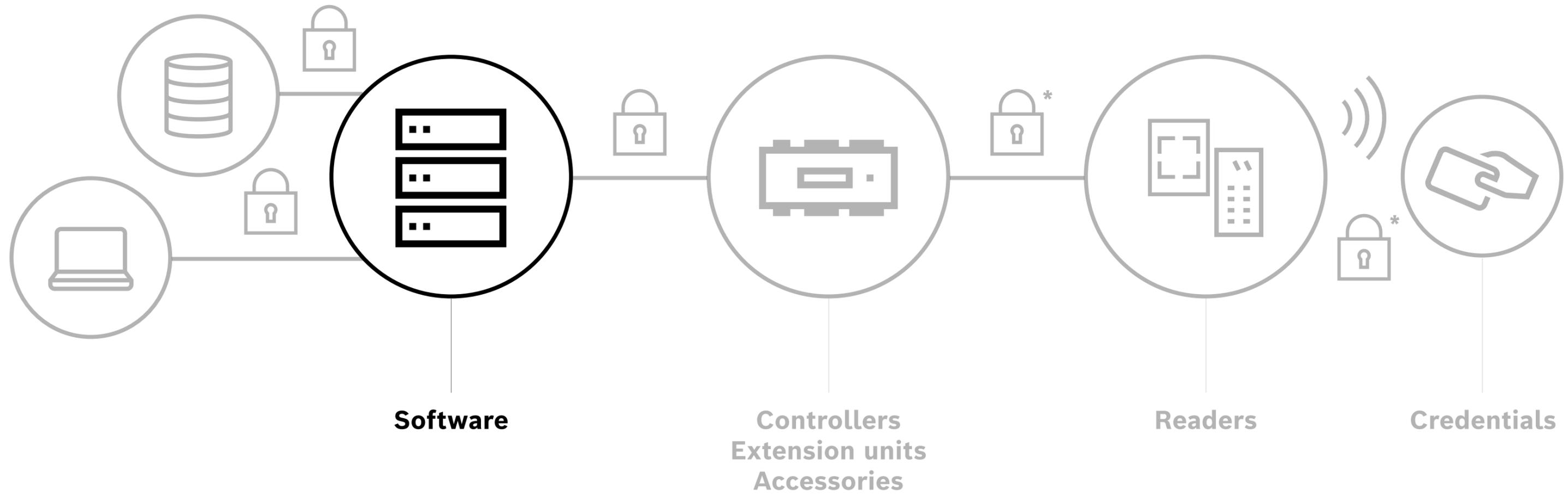
Controllers

Extension units

Accessories

Readers

**Credentials**



\* Dependent on technology



**PREVIOUS**

**NEXT**

# Access Management System

The Access Management System from Bosch is a flexible access management system for medium- to large-sized organizations. It is easy to operate and expand. Nevertheless, it is extremely stable, offering very high reliability, security and several features found only in high-end security solutions.

## Lite

- 16 doors (upgradable to max. 80)
- 200 cards (max. 5.000)
- 1 workstation (max. 2)
- 1 MAC (max. 1)
- 1 division (max. 1)
- 1 Intrusion command & control\* ( max. 50)
- 1 Intrusion user management\* ( max. 50)

## Plus

- 32 doors (max. 10.000)
- 2000 cards (max. 400.000)
- 2 workstations (max. 200)
- 1 MAC (max. 40)
- 2 divisions (max. 200)
- 1 Intrusion command & control \*( max. 80)
- 1 Intrusion user management\* ( max. 500)

\*Applies to the B and G series intrusion alarm system: same license for command & control and user management



[MORE INFORMATION](#)

[PRODUCT CATALOG PAGE](#)

[PREVIOUS](#)

[NEXT](#)

# Additional software

Do you want to have additionally the option of Visitor Management or other (third party) integrated software?

**Visitor management**

**Integrated solutions  
from partners**

**Mobile Access**

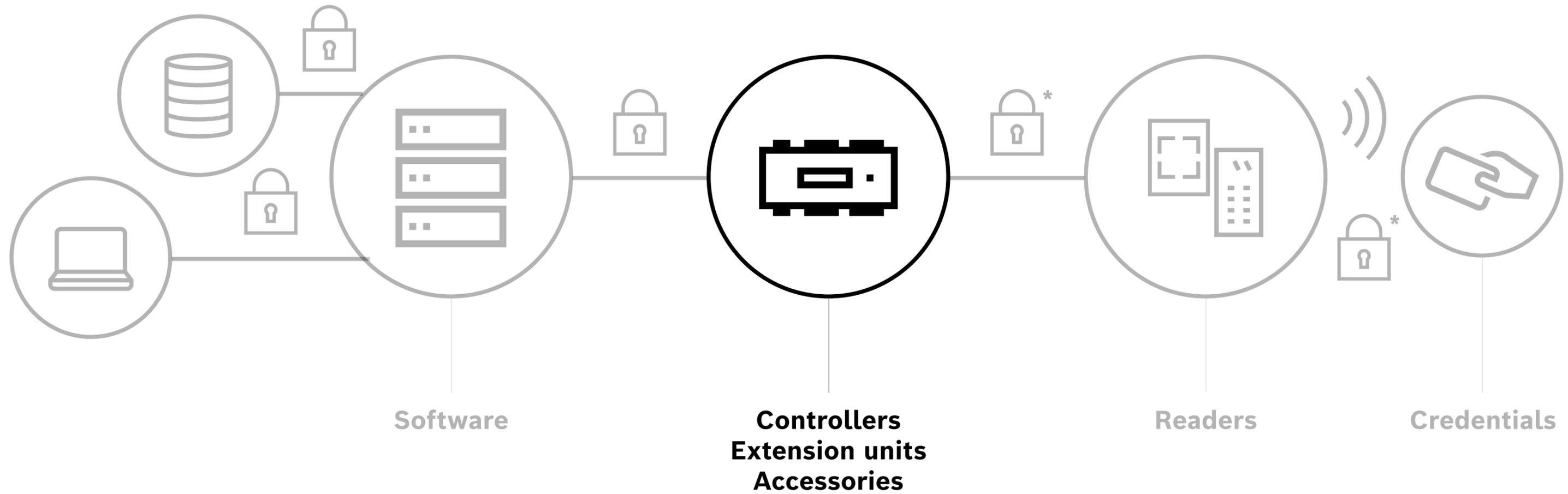
**Report Management**

**Credential Management**



**PREVIOUS**

**NEXT**



\* Dependent on technology



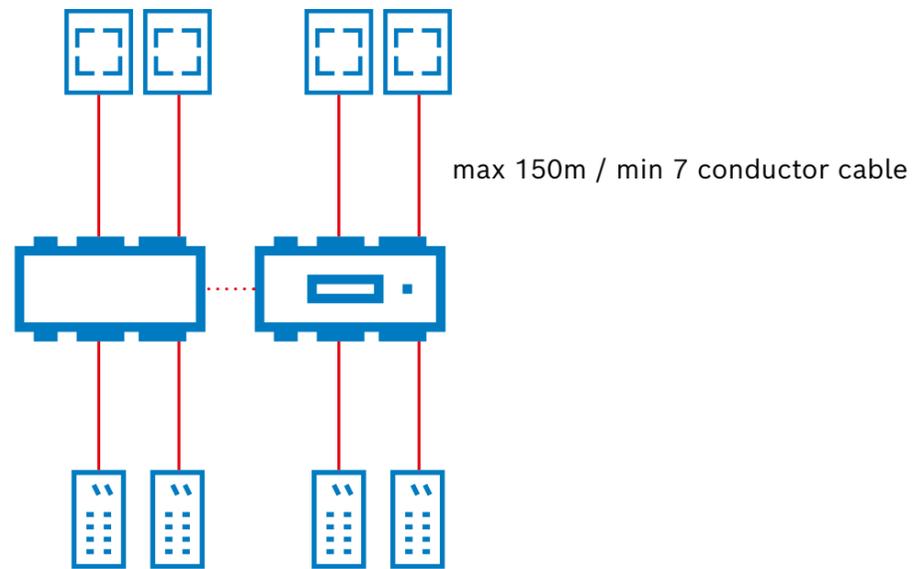
**PREVIOUS**

**NEXT**

# Controllers choice

Choose the reader technology you want to use. Please beware about the difference in security!

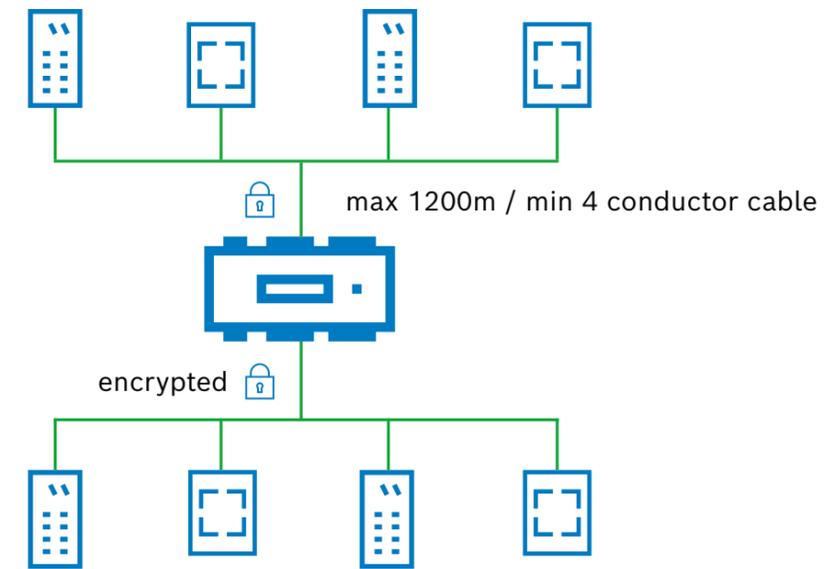
## Wiegand interface



4 devices can be connected to one AMC controller.  
(8 with Bosch AMC Wiegand extension)

**Defined point to point (one-way) connection**

## RS485 (OSDP) interface



8 devices can be connected in series to one AMC controller.

**Flexible (bi-directional) connection**

### Security Level Supported Reader technology

-  Low security
-  Moderate security
-  High security



PREVIOUS

# Controllers

Choose your controller(s) based on how many readers do you need to connect (per controller):



**Door controller  
Wiegand**  
2 readers



**Door controller  
Wiegand**  
4-8 readers

## Security Level

### Supported Reader technology

-  Low security
-  Moderate security
-  High security



PREVIOUS

NEXT

# Controllers

This controller fits your choice of RS-485:



**Door controller  
RS-485**  
8 readers



## Security Level

### Supported Reader technology

-  Low security
-  Moderate security
-  High security

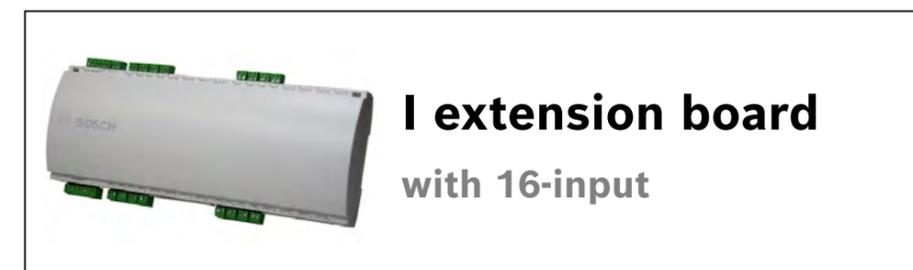
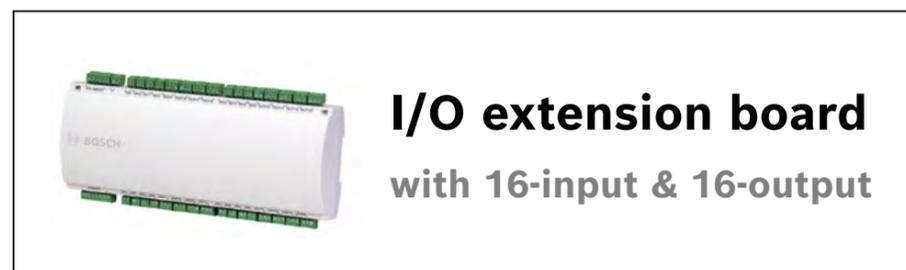


PREVIOUS

NEXT

# Extension units

Choose the Wiegand extension board (max 1) if you like to connect extra readers to the controller, or choose the I/O extension boards (max 3) in case you require extra inputs and outputs to be controlled by the controller or choose the I extension board if you only require extra inputs to be controlled by the controller.



## Security Level

### Supported Reader technology

-  Low security
-  Moderate security
-  High security

*\* only applicable for: Door controller Wiegand 4-8 readers*

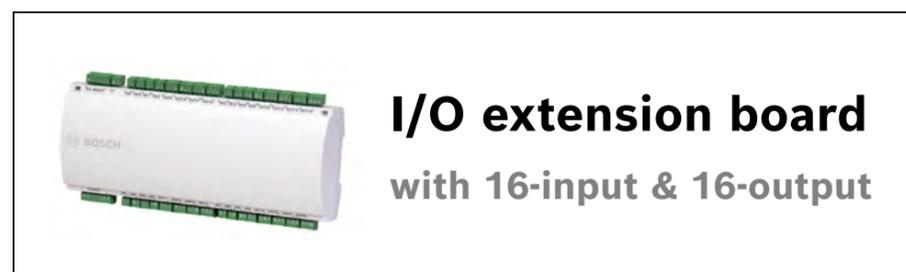


PREVIOUS

NEXT

# Extension units

Choose the I/O extension boards (max 3) in case you require extra inputs and outputs to be controlled by the controller or choose the I extension board if you only require extra inputs to be controlled by the controller.



## Security Level

### Supported Reader technology

-  Low security
-  Moderate security
-  High security

[PREVIOUS](#)[NEXT](#)

# Accessories

Choose here your housing and powering options for your controllers and extention:



**Enclosure  
with 1 DIN rail**



**Enclosure  
with 2 DIN rails**



**Enclosure with power  
supply & DIN rail**



**Mounting plate for  
2 or 4 DIN rails**



**Power Supply Unit**



**PREVIOUS**

**NEXT**

# Accessories

Choose here your housing and powering options for your controllers and extention:



**Enclosure  
with 1 DIN rail**



**Enclosure  
with 2 DIN rails**



**Enclosure with power  
supply & DIN rail**



**Mounting plate for  
2 or 4 DIN rails**

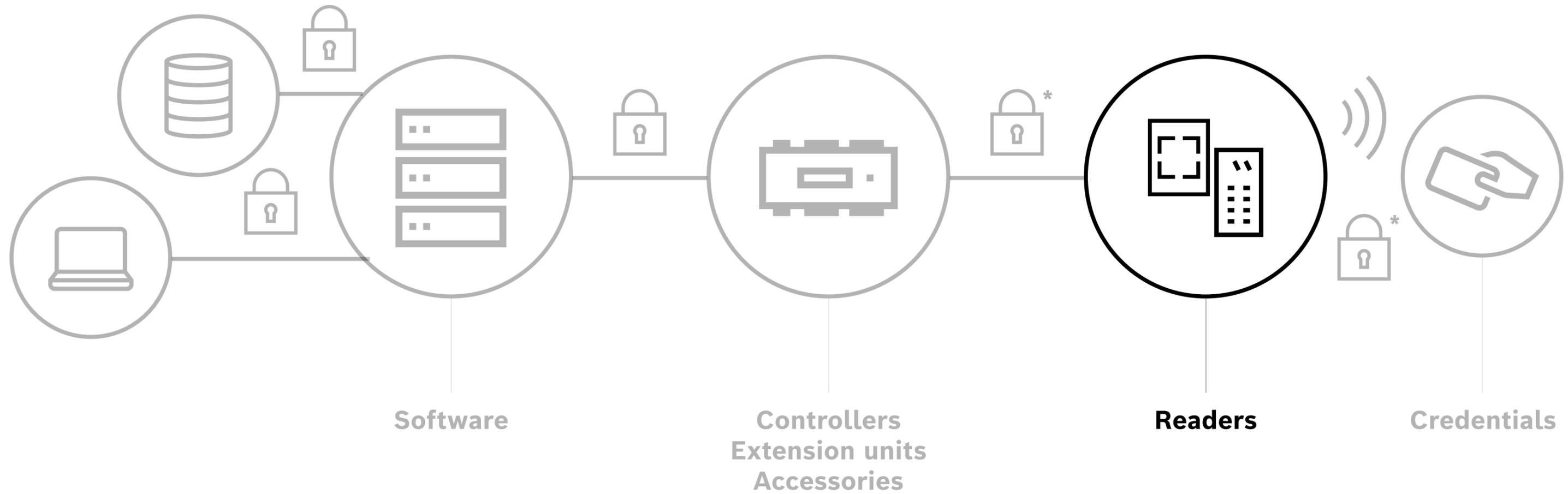


**Power Supply Unit**



PREVIOUS

NEXT

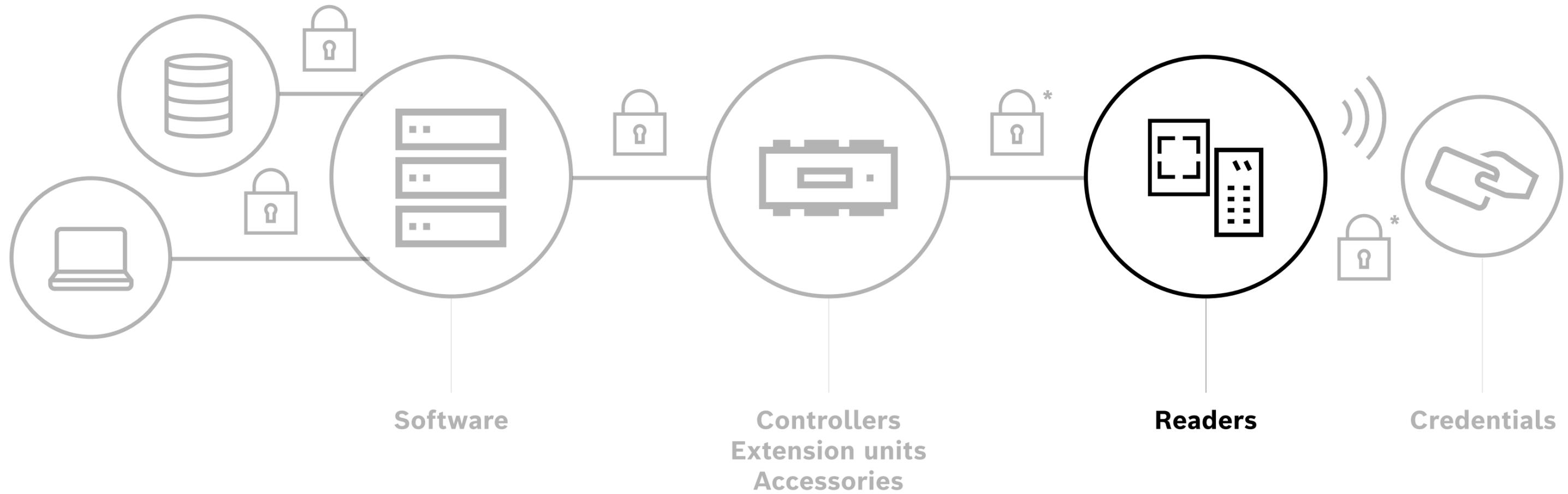


\* Dependent on technology



[PREVIOUS](#)

[NEXT](#)



\* Dependent on technology



[PREVIOUS](#)

[NEXT](#)

# Wiegand readers

Besides the controller interface technology (Wiegand / RS485), card readers differentiate in the credential technology that they support.

Here you can choose the available Wiegand readers with the reader technology you want to use:



**Card Readers**  
HIDprox

Low security



**Card Readers**  
EM

Low security



**Smart Card Readers**  
iCLASS/Seos

Moderate security



**Smart Card Readers**  
Seos

Moderate security



**Smart Card Readers**  
MIFARE

Moderate security



**Smart Card STid Readers**  
MIFARE

Low security

## Security Level

### Supported Credential technology

-  Low security
-  Moderate security
-  High security



PREVIOUS

NEXT

# RS485 readers

Besides the controller interface technology (Wiegand / RS485), card readers differentiate in the credential technology that they support.

Here you can choose the available RS485 readers with the reader technology you want to use:



**Smart Card Readers**  
MIFARE

Low security



**Smart Card Readers**  
MIFARE

Moderate security



**Smart Card Readers**  
MIFARE/LEGIC  
Also available with Bluetooth®

High security



**Smart Card STid Readers**  
MIFARE

Low security

## Security Level

### Supported Credential technology

-  Low security
-  Moderate security
-  High security



PREVIOUS

NEXT

# Biometric readers

Here you can find the biometric reader options you can use:



**Fingerprint card reader**  
LED indicator



**Fingerprint card reader**  
touchscreen



**Contactless 3D fingerprint card reader**



**Contactless fingerprint reader, SP MD**



**Facial recognition card reader**



**Facial recognition reader, SP MDI**



**Fingerprint card reader**

## Security Level

### Supported Credential technology

-  Low security
-  Moderate security
-  High security

[PREVIOUS WIEGAND](#)[PREVIOUS RS485](#)[NEXT](#)

# Integrated solutions

Our access software is able to connect to non-Bosch readers and other hardware using the open OSDP protocol on RS-485 bus. Our latest enhancements allow integration of an increasing number of third party applications with our access control system, examples ranging from biometrical readers, mobile access, signature readers to wireless online locking systems.

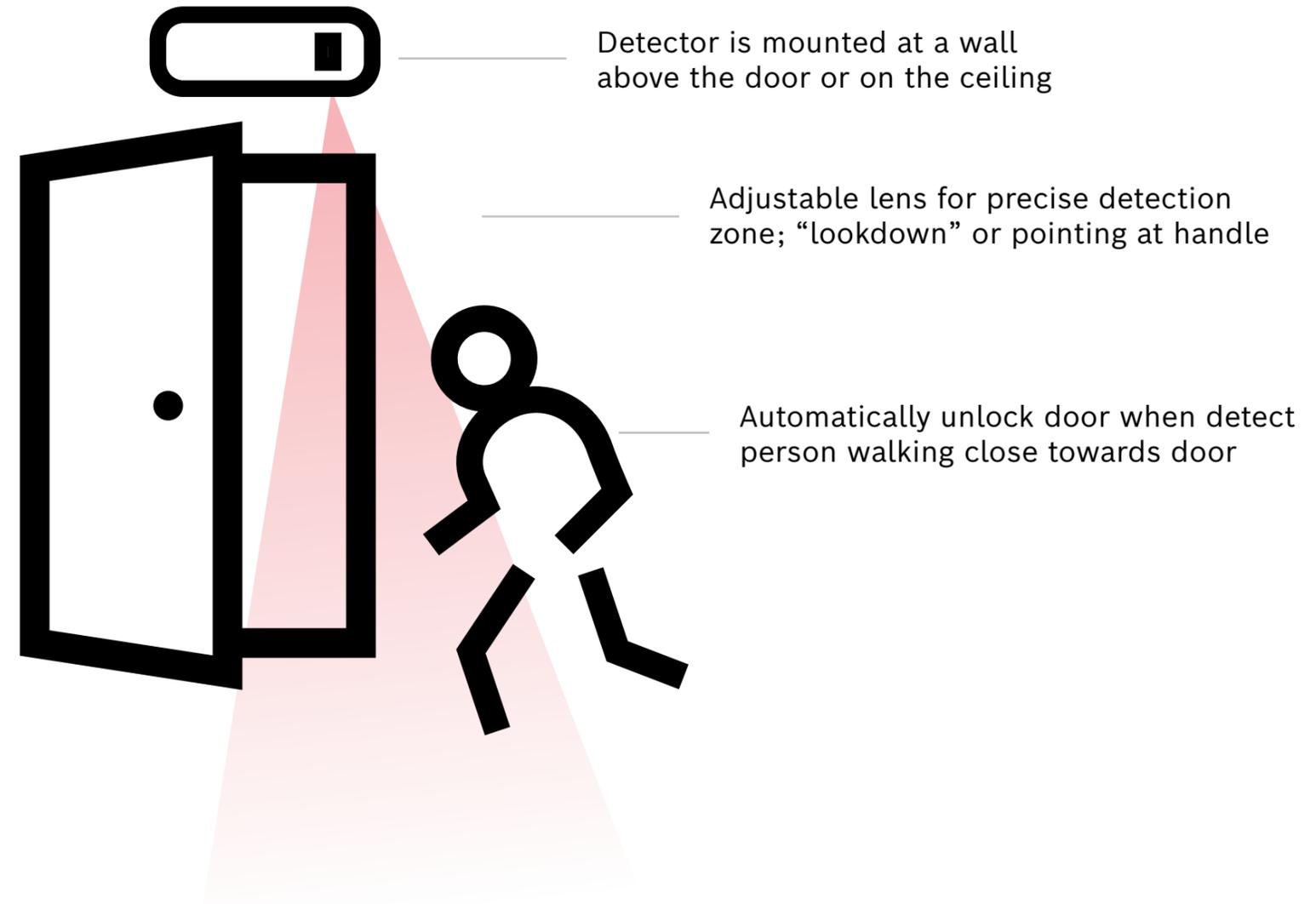
If you are interesting in using third party solutions, please check out the possibilities on our website.



[THIRD PARTY INTEGRATIONS WEBPAGE](#)

# Request-to-exit

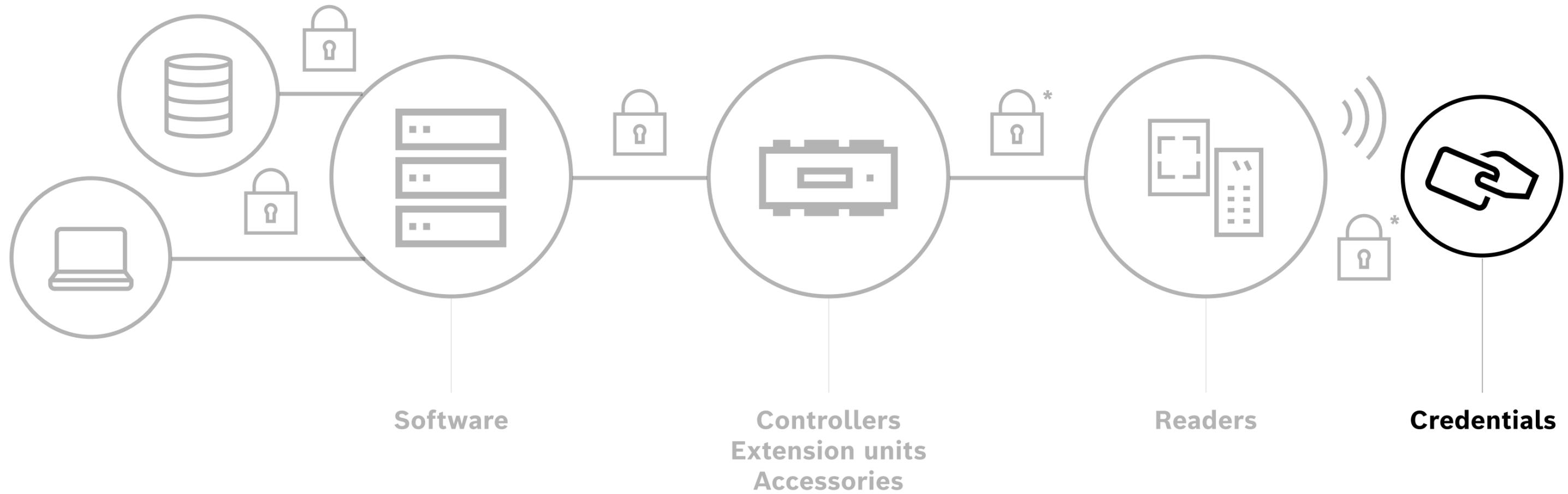
Would you like to use request-to-exit detectors?



[PREVIOUS](#)

[NEXT](#)





\* Dependent on technology



**PREVIOUS**

**NEXT**

# Credentials overview

Access credentials can take many forms, like access cards, keycodes and biometric attributes and differentiate also in the [credential technology](#) that they support.

Choose the credential technology you want to use:



**HIDprox**  
credentials

Low security



**EM**  
credentials

Low security



**iCLASS**  
credentials

Moderate security



**MIFARE**  
credentials

High security

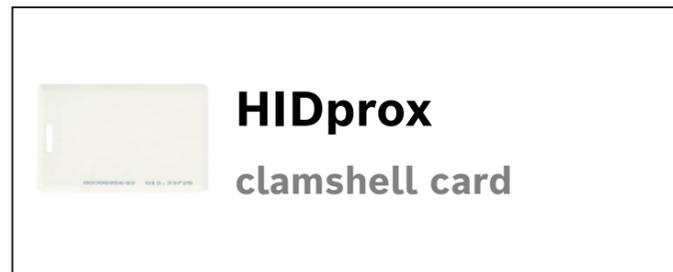
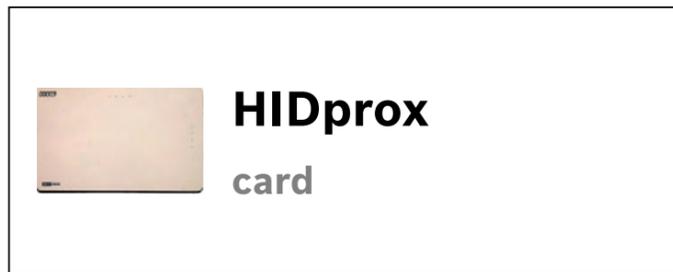
## Security Level

### Credential technology

- Low security
- Moderate security
- High security

# HIDprox credentials

Here you can find the HIDprox credential options you can use:



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

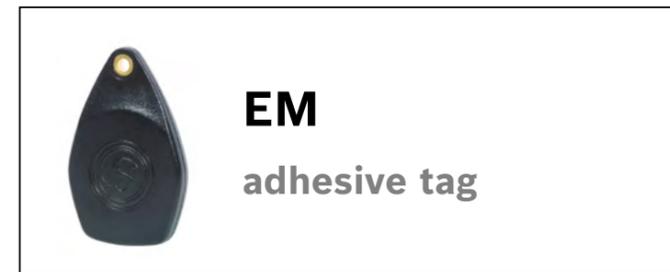
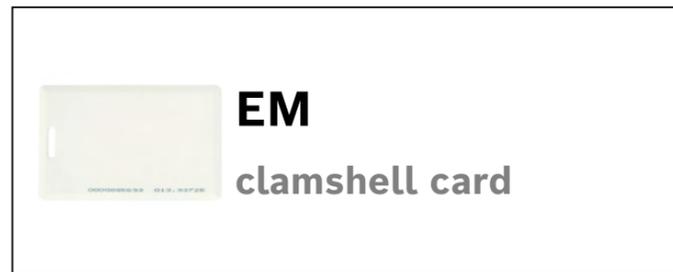
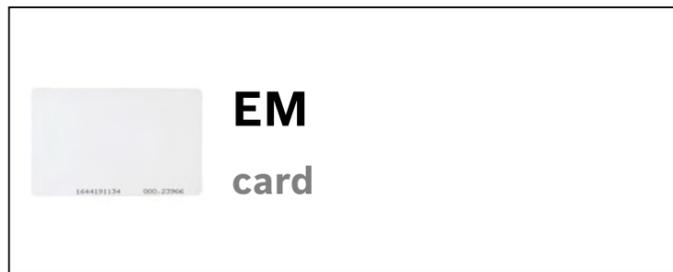


PREVIOUS

NEXT

# EM credentials

Here you can find the EM credential options you can use:



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

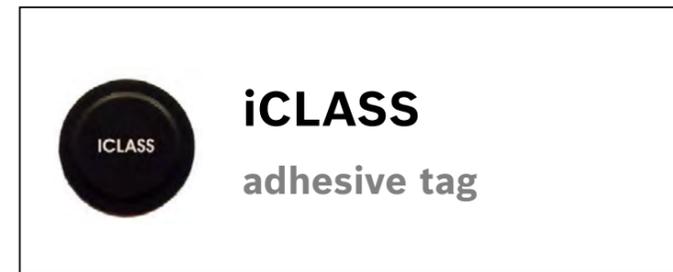
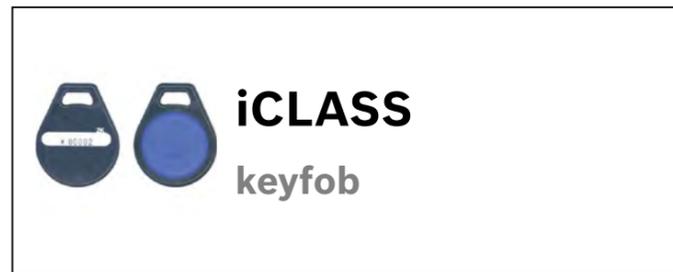
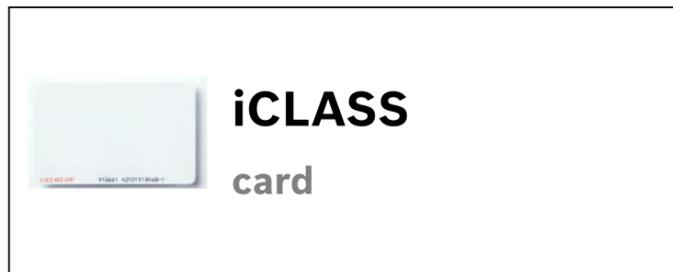


PREVIOUS

NEXT

# iCLASS credentials

Here you can find the iCLASS credential options you can use:



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security



PREVIOUS

NEXT

# MIFARE credentials

Here you can find the MIFARE credential options you can use:



**MIFARE classic**  
card

Moderate security



**MIFARE classic**  
keyfob

Moderate security



**MIFARE DESFire EV1**  
card

High security

RECOMMENDED



**MIFARE DESFire EV1**  
keyfob

High security

RECOMMENDED



**MIFARE DESFire EV3**  
card

High security

RECOMMENDED



**MIFARE DESFire EV3**  
keyfob

High security

RECOMMENDED

## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security



PREVIOUS

NEXT

# Seos credentials

Here you can find the Seos credential options you can use:



**Seos**  
card (26 bit)



**Seos**  
card (37 bit)



**Seos**  
keyfob (26 bit)



**Seos**  
keyfob (37 bit)

## Security Level

### [Credential technology](#)

-  Low security
-  Moderate security
-  High security

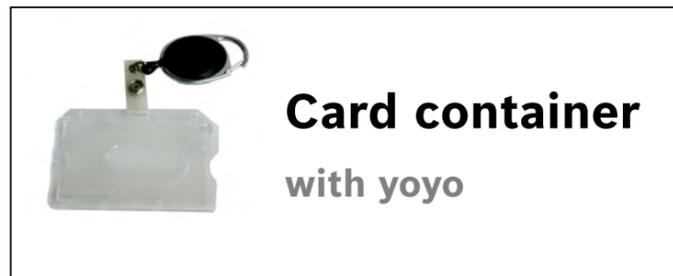


PREVIOUS

NEXT

# Card container

Would you like to use a card container?





# Access Management System

The Access Management System from Bosch is a flexible access management system for medium- to large-sized organizations. It is easy to operate and expand. Nevertheless, it is extremely stable, offering very high reliability, security and several features found only in high-end security solutions.

## Lite

- 16 doors (upgradable to max. 80)
- 200 cards (max. 5.000)
- 1 workstation (max. 2)
- 1 MAC (max. 1)
- 1 division (max. 1)
- 1 Intrusion command & control\* ( max. 50)
- 1 Intrusion user management\* ( max. 50)

## Plus

- 32 doors (max. 10.000)
- 2000 cards (max. 400.000)
- 2 workstations (max. 200)
- 1 MAC (max. 40)
- 2 divisions (max. 200)
- 1 Intrusion command & control \*( max. 80)
- 1 Intrusion user management\* ( max. 500)

\*Applies to the B and G series intrusion alarm system: same license for command & control and user management

[MORE INFORMATION](#)

[PRODUCT CATALOG PAGE](#)



# Integrated solutions

Our access software can be integrated via API to third party software applications, like video management systems.

If you would like to use third party software solutions, please check out the possibilities on our website.

[THIRD PARTY INTEGRATIONS WEBPAGE](#)

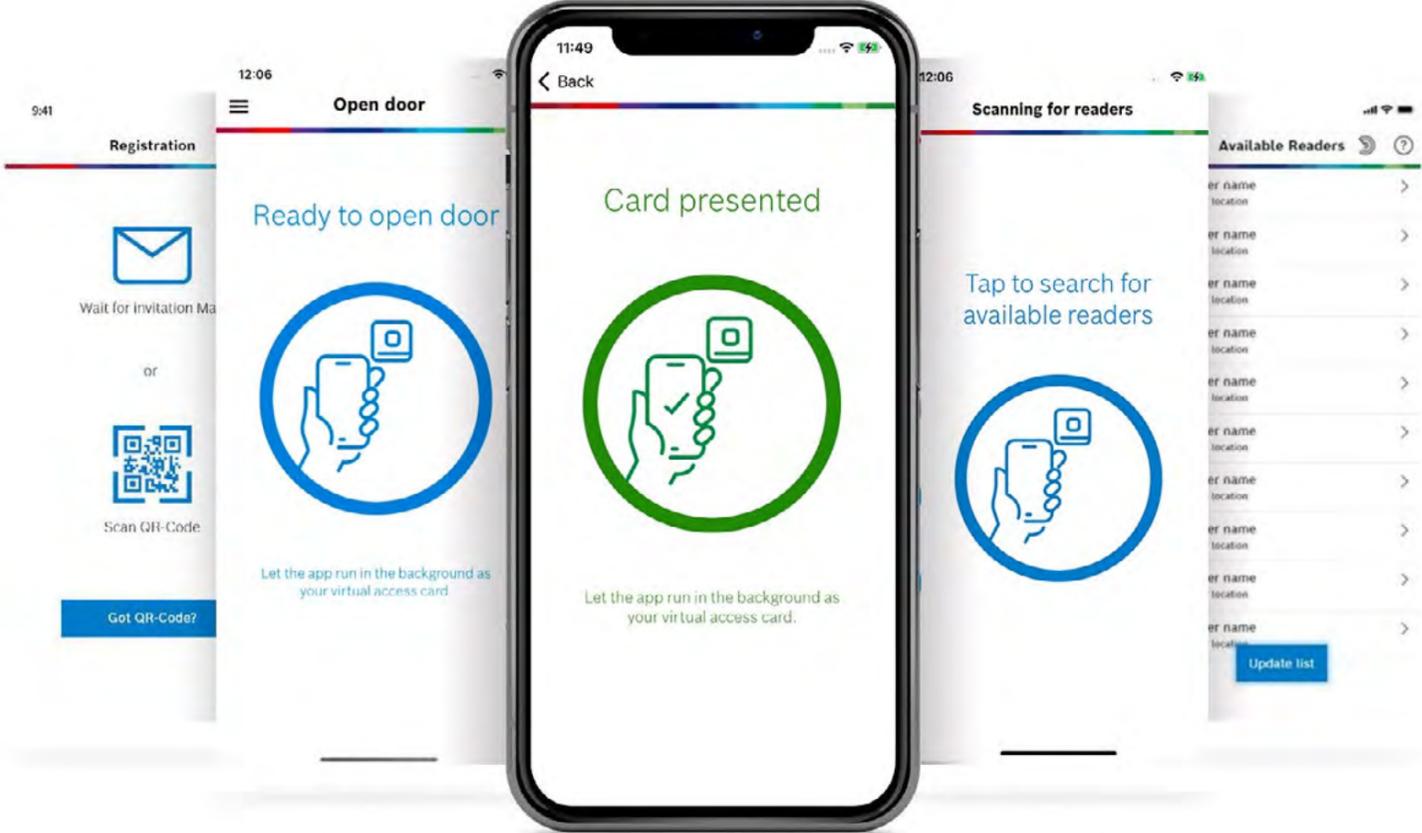
CLOSE



CLOSE

# Mobile Access

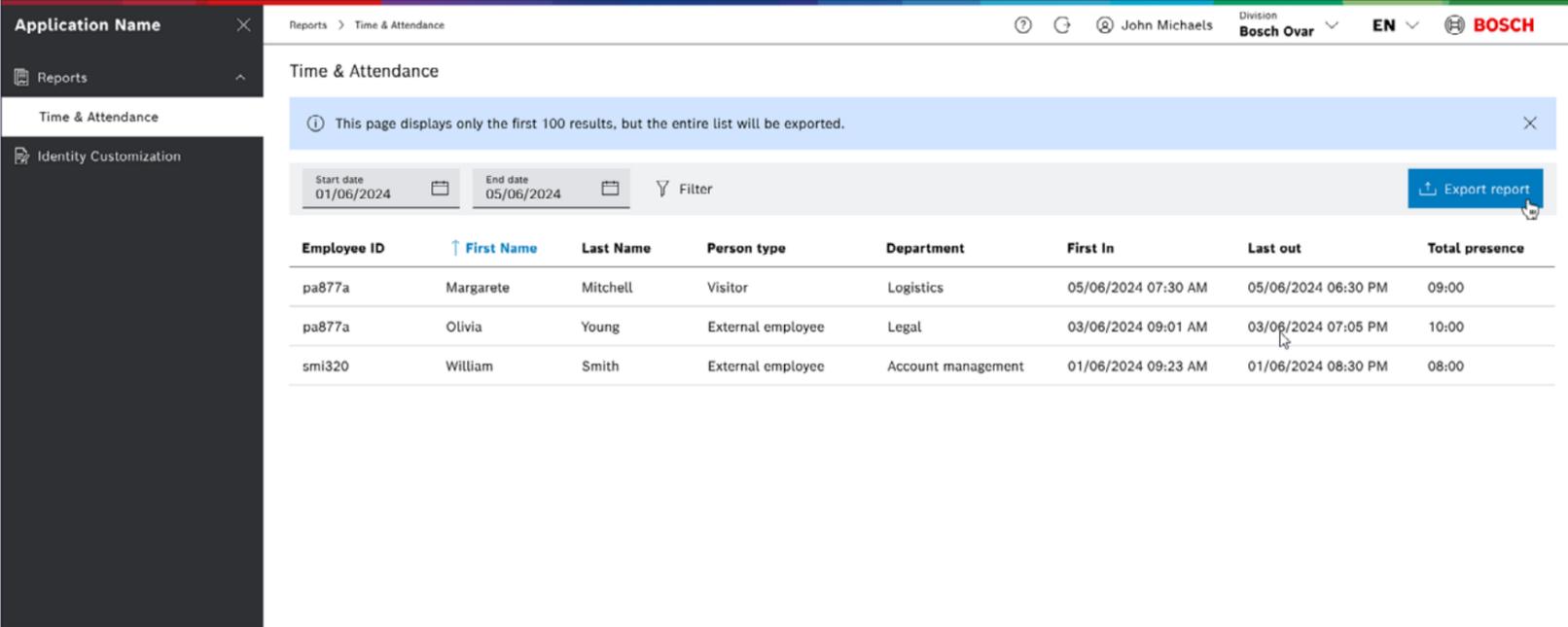
The integration of the Mobile Access solution streamlines and modernizes your access control system. It allows you to pre-assign access rights to your visitors, guests, employees, or service providers, enhancing security using a device we always carry with us – our smartphone.



**CLOSE**

# Report Management

With the Report Management security staff and integrators can easily create, manage, analyze, and share T&A reports on entries and exits within their companies.



Application Name

Reports > Time & Attendance

John Michaels Division Bosch Ovar EN BOSCH

Time & Attendance

This page displays only the first 100 results, but the entire list will be exported.

Start date: 01/06/2024 End date: 05/06/2024 Filter Export report

Employee ID	First Name	Last Name	Person type	Department	First In	Last out	Total presence
pa877a	Margarete	Mitchell	Visitor	Logistics	05/06/2024 07:30 AM	05/06/2024 06:30 PM	09:00
pa877a	Olivia	Young	External employee	Legal	03/06/2024 09:01 AM	03/06/2024 07:05 PM	10:00
smi320	William	Smith	External employee	Account management	01/06/2024 09:23 AM	01/06/2024 08:30 PM	08:00

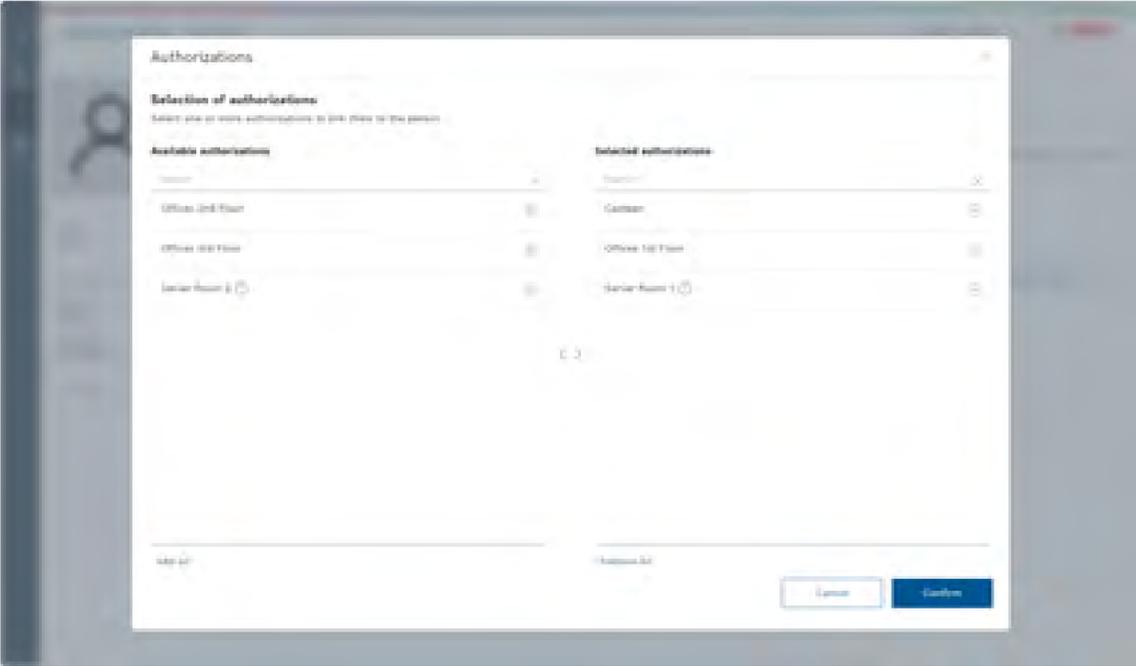
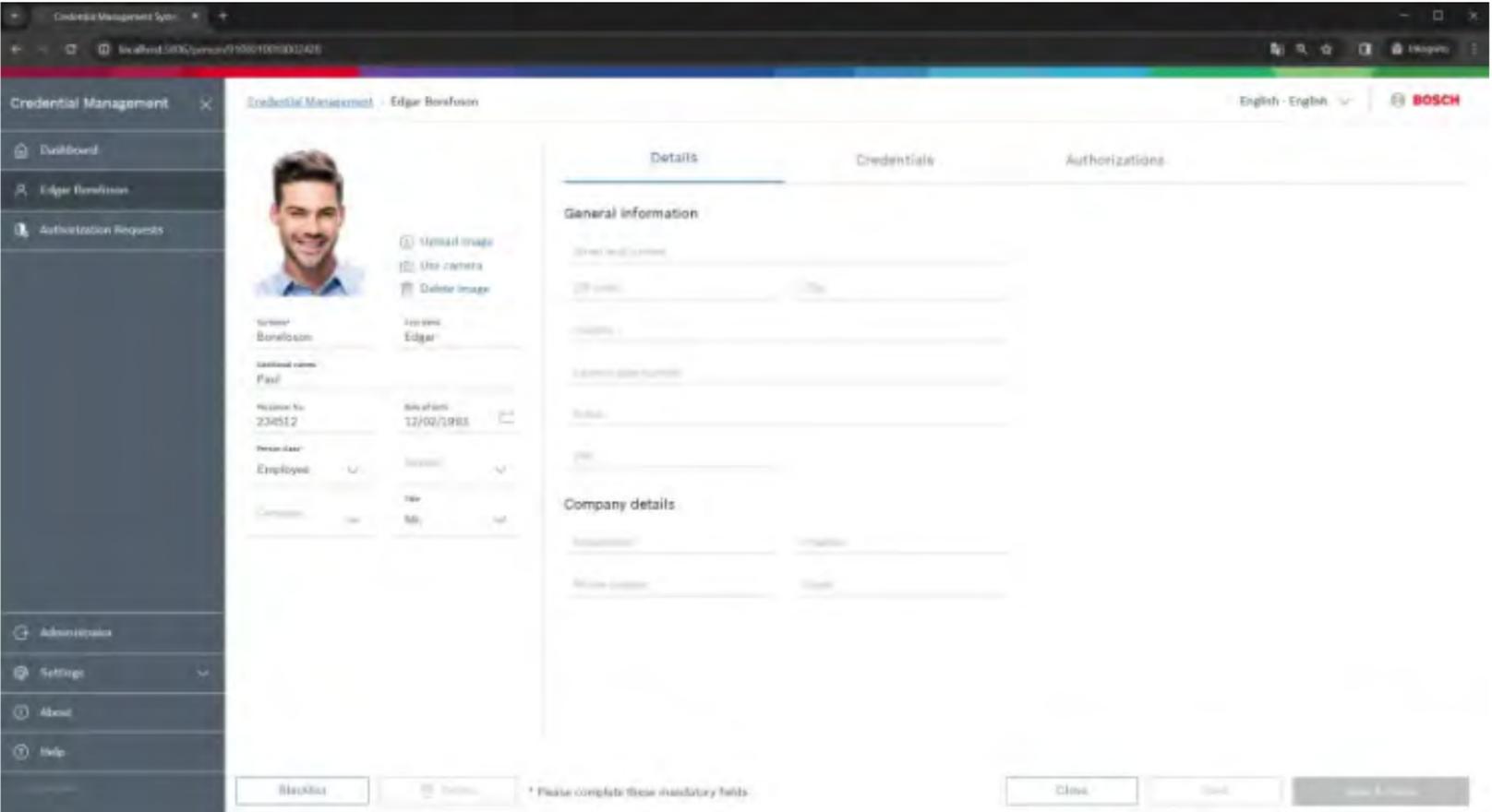
**Time & Attendance** From: 10/08/2024 to 20/08/2024

ID	Name	Department	First In	Last Out	Sick	Holiday	Total work hours
smi320	Jane Smith	Sales	08:00 AM	06:00 PM	00:00	00:00	08:00
w424er	William Walker	Accounter	08:00 AM	06:00 PM	00:00	00:00	08:00
le63wis	Margarete Lewis	Logistics	08:00 AM	06:00 PM	00:00	00:00	08:00
y9645h	Henry Young	Sales	08:00 AM	06:00 PM	00:00	00:00	08:00
pa877a	Olivia Parker	Legal	08:00 AM	06:00 PM	00:00	00:00	08:00
2jd1ax	Ethan Mitchell	Purchasing	08:56 AM	08:30 PM	00:00	00:00	08:00
ir0fxw	Susan Wilson	Sales	08:00 AM	08:30 PM	00:00	00:00	08:00
sxyv5y	Joseph Anderson	Accounter	08:00 AM	05:00 PM	00:00	00:00	08:00
y4ohdf	Jessica Thomas	Accounter	08:00 AM	05:00 PM	00:00	00:00	08:00
2bs5ud	Sarah Moore	Purchasing	05:00 AM	04:00 PM	00:00	00:00	08:00
0z27wc	Karen Martin	Legal	08:00 AM	04:00 PM	00:00	00:00	08:00
sid5xz	Elizabeth Moore	Logistics	09:00 AM	08:30 PM	00:00	00:00	08:00
elx90v	Linda Davis	Purchasing	08:00 AM	04:00 PM	00:00	00:00	08:00
tm20zh	Carl Mackenzie	Sales	08:00 AM	05:00 PM	00:00	00:00	08:00
qjfxd2	Andrew Bauman	Sales	08:00 AM	05:00 PM	00:00	00:00	08:00
wdh4af	Steven Miller	Logistics	08:00 AM	05:00 PM	00:00	00:00	08:00

**CLOSE**

# Credential Management

Credential management is a browser-based software tool with a simple and intuitive user interface that operates seamlessly with AMS. It enables even relatively inexperienced operators to manage the access credentials of employees and external personnel.





# Door controller Wiegand 2 readers

APC-AMC2-2WCF

CLOSE



Connectable readers	2
Inputs / Outputs	4/4
Cardholders	400.000
Reader cable length (max.)	110m per port
Reader monitoring	No
Wires per reader (min.)	6 + shield
Connectable reader extensions	1
Connectable I/O extensions	3
Mounting	Standard DIN-rail
Reader protocol support	Wiegand
Standards	CE, UL

PRODUCT CATALOG PAGE



# Door controller Wiegand 4-8 readers

APC-AMC2-4WCF

CLOSE



Connectable readers	4
Inputs / Outputs	8 / 8
Cardholders	400.000
Reader cable length (max.)	110m per port
Reader monitoring	no
Wires per reader (min.)	6 + shield
Connectable reader extensions	1
Connectable I/O extensions	3
Mounting	Standard DIN-rail
Reader protocol support	Wiegand
Standards	CE, UL

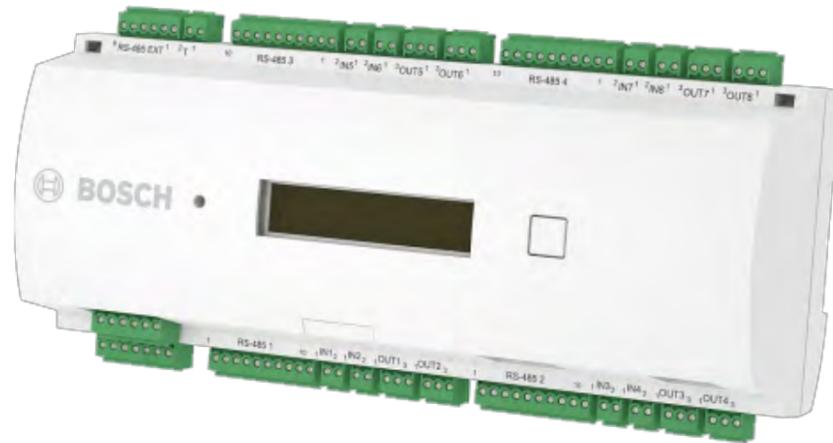
PRODUCT CATALOG PAGE



# Door controller RS-485 8 readers

APC-AMC2-4R4CF

CLOSE



Connectable readers	8
Inputs / Outputs	8 / 8
Cardholders	400.000
Reader cable length (max.)	1200m per Bus
Reader monitoring	yes
Wires per reader (min.)	4 + shield
Connectable reader extensions	–
Connectable I/O extensions	3
Mounting	Standard DIN-rail
Reader protocol support	OSDP, LBUS, MICOS, BG900
Standards	CE, UL, VDS

PRODUCT CATALOG PAGE



# I/O extension board with 8-input & 8-output

API-AMC2-8IOE

CLOSE



Connectable readers	–
Inputs / Outputs	8 / 8
Mounting	Standard DIN-rail
Dimensions (H x W x D)	90 x 232 x 46 mm (3.54 x 9.13 x 1.81 in.)

PRODUCT CATALOG PAGE



# I/O extension board with 16-input & 16-output

API-AMC2-16IOE

CLOSE



Connectable readers	–
Inputs / Outputs	16 / 16
Mounting	Standard DIN-rail
Dimensions (H x W x D)	90 x 232 x 46 mm (3.54 x 9.13 x 1.81 in.)

PRODUCT CATALOG PAGE



# I extension board with 16-input

API-AMC2-16IE

CLOSE



Connectable readers	–
Inputs / Outputs	16 / 0
Mounting	Standard DIN-rail
Dimensions (H x W x D)	90 x 232 x 46 mm (3.54 x 9.13 x 1.81 in.)

PRODUCT CATALOG PAGE



# Wiegand extension board for 4 readers

API-AMC2-4WE

**CLOSE**



Connectable readers	4
Inputs / Outputs	8 / 8
Mounting	Standard DIN-rail
Dimensions (H x W x D)	90 x 232 x 46 mm (3.54 x 9.13 x 1.81 in.)

**PRODUCT CATALOG PAGE**



# Enclosure with 1 DIN rail

AEC-AMC2-UL01

**CLOSE**



Material description	Steel enclosure
DIN rails inside	1 DIN rail system for easy mounting of 1 AMC2 or 1 extension board, 1 power supply and 2 batteries
Mounting	Wall mount
Dimensions (H x W x D)	323 x 411 x 88 (12.7 x 16.2 x 3.5 in.)

**PRODUCT CATALOG PAGE**



# Enclosure with 2 DIN rails

AEC-AMC2-UL02

**CLOSE**



Material description	Steel enclosure
DIN rails inside	2 DIN rail system for easy mounting of 2 AMC2 or 2 extension board, 1 power supply unit and 2 batteries
Mounting	Wall mount
Dimensions (H x W x D)	541 x 411 x 88 mm (21.3 x 16.2 x 3.5 in.)

**PRODUCT CATALOG PAGE**



# Enclosure with power supply & DIN rail

AEC-AMC2-ENC3

CLOSE



Material description	Steel enclosure with preassembled cabling
DIN rails inside	1 DIN rail system for easy mounting of 1 AMC2 or 1 extension board and 1 power supply unit
Mounting	Wall mount
Dimensions (H x W x D)	400 x 400 x 94 mm (15.75 x 15.75 x 3.7 in.)

**Built-in power supply specifications:**

Material description	Powersupply with integrated battery charging unit (7 AH)
Voltage input range	100 VAC to 240 VAC
Voltage output	13VDC (2,5Amp) delivering 55W
Protection for	Short circuit, overvoltage and overload protection
Signaling for	No signaling

PRODUCT CATALOG PAGE



# Mounting plate for 2 or 4 DIN rails

AEC-PANEL19-UPS/AEC-PANEL19-4DR

CLOSE



Material description

Fitting panel for rail mounting

DIN rails inside

2 or 4 DIN rail system for easy mounting

Mounting

Wall mount

Dimensions (H x W x D)

232 x 90 x 63 mm (9.13 x 3.54 x 2.48 in.)

PRODUCT CATALOG PAGE



# Power Supply Unit

APS-PSU-60

**CLOSE**



Material description	Powersupply with integrated battery charging unit (14 AH)
Voltage input range	100 VAC to 240 VAC
Voltage output	12V (5Amp) or 24V DC (2,5 Amp) delivering 60VA
Protection for	Short circuit, temperature and overload protection
Signaling for	AC-OK, DC-OK, BAT-OK and battery operation

**PRODUCT CATALOG PAGE**



# Card Readers HIDprox

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Product name</b>	<b>Card Reader, HIDprox, mullion</b> <span style="color: red;">■</span>
Commercial type number (CTN)	ARD-MINIPROX
Supported protocol	Wiegand
Panel connection	<b>Pigtail</b>
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>HIDprox</b>
Environment class	IP55
Maximum reading distance	<b>13 cm (5.12 in.)</b>
Dimensions (H x W x D)	152 x 43 x 25,4 mm (5.98 x 1.69 x 1 in.)

[HIDprox,  
EM, mullion](#)

[HIDprox,  
EM, mini mullion](#)

[HIDprox,  
standalone device](#)



# Card Readers HIDprox

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Product name</b>	<b>Card Reader, EM, mini mullion</b> <span style="color: red;">■</span>
Commercial type number (CTN)	ARD-PROX-PPL
Supported protocol	Wiegand
Panel connection	<b>Pigtail</b>
Mounting	Surface mount
Supported Credential technology	<b>HIDprox</b>
Environment class	IP55
Maximum reading distance	<b>6 cm (2.36 in.)</b>
Dimensions (H x W x D)	79,6 x 44 x 17 mm (3.13 x 1.73 x 0.67 in.)

HIDprox,  
EM, mullion

**HIDprox,  
EM, mini mullion**

HIDprox,  
standalone device



# Card Readers HIDprox

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Product name</b>	<b>Standalone device, HIDprox</b>	<span style="color: red;">■</span>
Commercial type number (CTN)	ARD-ENTRYPROX	
Supported protocol	Wiegand	
Panel connection	<b>Terminal strip</b>	
Mounting	Surface mount	
<a href="#">Supported Credential technology</a>	<b>HIDprox</b>	
Environment class	IP55	
Maximum reading distance	<b>6 cm (2.36 in.)</b>	
Dimensions (H x W x D)	133 x 70 x 35 mm (5.23 x 2.76 x 1.38 in.)	

HIDprox,  
EM, mullion

HIDprox,  
EM, mini mullion

**HIDprox,  
standalone device**



# Card Readers HIDprox

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Product name</b>	<b>Card Reader, HIDprox, mullion</b> <span style="color: red;">■</span>
Commercial type number (CTN)	ARD-MINIPROX
Supported protocol	Wiegand
Panel connection	<b>Pigtail</b>
Mounting	Surface mount
Supported Credential technology	<b>HIDprox</b>
Environment class	IP55
Maximum reading distance	<b>13 cm (5.12 in.)</b>
Dimensions (H x W x D)	152 x 43 x 25,4 mm (5.98 x 1.69 x 1 in.)

[HIDprox,  
EM, mullion](#)

[HIDprox,  
EM, mini mullion](#)

[HIDprox,  
standalone device](#)



# Card Readers HIDprox

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Product name</b>	<b>Card Reader, EM, mini mullion</b> <span style="color: red;">■</span>
Commercial type number (CTN)	ARD-PROX-PPL
Supported protocol	Wiegand
Panel connection	<b>Pigtail</b>
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>HIDprox</b>
Environment class	IP55
Maximum reading distance	<b>6 cm (2.36 in.)</b>
Dimensions (H x W x D)	79,6 x 44 x 17 mm (3.13 x 1.73 x 0.67 in.)

HIDprox,  
EM, mullion

**HIDprox,  
EM, mini mullion**

HIDprox,  
standalone device



# Card Readers HIDprox

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Product name</b>	<b>Standalone device, HIDprox</b>	<span style="color: red;">■</span>
Commercial type number (CTN)	ARD-ENTRYPROX	
Supported protocol	Wiegand	
Panel connection	<b>Terminal strip</b>	
Mounting	Surface mount	
<a href="#">Supported Credential technology</a>	<b>HIDprox</b>	
Environment class	IP55	
Maximum reading distance	<b>6 cm (2.36 in.)</b>	
Dimensions (H x W x D)	133 x 70 x 35 mm (5.23 x 2.76 x 1.38 in.)	

HIDprox,  
EM, mullion

HIDprox,  
EM, mini mullion

**HIDprox,  
standalone device**



# Card Readers EM

CLOSE



### Security Level

#### Supported Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

<b>Product name</b>	<b>Card Reader, EM, mini mullion</b> 
Commercial type number (CTN)	ARD-AYK12
Supported protocol	Wiegand
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	<b>EM4102</b>
Environment class	IP55
Maximum reading distance	8 cm (3.15 in.)
Dimensions (H x W x D)	80 x 40 x 13 mm (1.38 x 1.58 x 0.51 in.)



# Smart Card Readers iCLASS/Seos

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS secure 1000 IC</b> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-SIGR20-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Terminal
Mounting	Surface mount
Supported Credential technology	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm

[PRODUCT CATALOG PAGE](#)

**LECTUS Secure  
1000 IC**

LECTUS secure  
3000 IC

LECTUS secure  
4000 IC

LECTUS secure  
5000 IC



# Smart Card Readers iCLASS/Seos

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS secure 3000 IC</b> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-SIGR20K-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Terminal
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm

[PRODUCT CATALOG PAGE](#)

[LECTUS Secure  
1000 IC](#)

**[LECTUS Secure  
3000 IC](#)**

[LECTUS Secure  
4000 IC](#)

[LECTUS Secure  
5000 IC](#)



# Smart Card Readers iCLASS/Seos

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS secure 4000 IC</b> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-SIGR40-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Terminal
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 80 x 19,5 mm

[PRODUCT CATALOG PAGE](#)

[LECTUS Secure  
1000 IC](#)

[LECTUS Secure  
3000 IC](#)

**[LECTUS Secure  
4000 IC](#)**

[LECTUS Secure  
5000 IC](#)



# Smart Card Readers iCLASS/Seos

CLOSE



<b>Product name</b>	<b>LECTUS secure 5000 IC</b>
Commercial type number (CTN)	ARD-SIGR40K-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Terminal
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 80 x 19,5 mm

**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

LECTUS Secure  
1000 IC

LECTUS Secure  
3000 IC

LECTUS Secure  
4000 IC

**LECTUS Secure  
5000 IC**



# Smart Card Readers iCLASS/Seos

CLOSE



### Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS secure 1000 IC</b> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-SIGR20-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Terminal
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm

PRODUCT CATALOG PAGE

**LECTUS Secure  
1000 IC**

LECTUS Secure  
3000 I

LECTUS Secure  
4000 IC

LECTUS Secure  
5000 iC



# Smart Card Readers iCLASS/Seos

CLOSE



<b>Product name</b>	<b>LECTUS secure 3000 IC</b>
Commercial type number (CTN)	ARD-SIGR20K-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Terminal
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm

**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

LECTUS Secure  
1000 IC

**LECTUS Secure  
3000 IC**

LECTUS Secure  
4000 IC

LECTUS Secure  
5000 IC



# Smart Card Readers iCLASS/Seos

CLOSE



<b>Product name</b>	<b>LECTUS secure 4000 IC</b>
Commercial type number (CTN)	ARD-SIGR40-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Terminal
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 80 x 19,5 mm

**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

LECTUS Secure  
1000 IC

LECTUS Secure  
3000 IC

**LECTUS Secure  
4000 IC**

LECTUS Secure  
5000 IC



# Smart Card Readers iCLASS/Seos

CLOSE



<b>Product name</b>	<b>LECTUS secure 5000 IC</b> <span style="float: right;">■</span>
Commercial type number (CTN)	ARD-SIGR40K-ICL
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Terminal
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>iCLASS, iCLASS SE, Seos</b>
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 80 x 19,5 mm

**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

LECTUS Secure  
1000 IC

LECTUS Secure  
3000 IC

LECTUS Secure  
4000 IC

**LECTUS Secure  
5000 IC**



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 C</b> <span style="color: red;">■</span> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-AYBS6260
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN, MIFARE Classic</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

PRODUCT CATALOG PAGE

**LECTUS Duo  
3000 C**

LECTUS Duo  
3000 CK

LECTUS Duo  
3000 E

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 CK</b> <span style="color: red;">■</span> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-AYBS6360
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Terminal strip
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>ISO14443A CSN, MIFARE Classic</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

[PRODUCT CATALOG PAGE](#)

LECTUS Duo  
3000 C

**LECTUS Duo  
3000 CK**

LECTUS Duo  
3000 E

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 E</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-AYBS6280
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN</b> , <b>MIFARE Classic</b> , <b>MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

[PRODUCT CATALOG PAGE](#)

[LECTUS Duo  
3000 C](#)

[LECTUS Duo  
3000 CK](#)

**[LECTUS Duo  
3000 E](#)**

[LECTUS Duo  
3000 EK](#)



# Smart Card Readers MIFARE

CLOSE



**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

<b>Product name</b>	<b>LECTUS duo 3000 EK</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-AYBS6380
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Terminal strip
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

LECTUS Duo  
3000 C

LECTUS Duo  
3000 CK

LECTUS Duo  
3000 E

**LECTUS Duo  
3000 EK**



# LECTUS Select E - Black with keypad

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS Select E (black, with keypad)</b> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-ESELECT-BOK*
Supported protocol	OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Connector with spring force clamp
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<u>Supported Credential technology</u>	<b>Mifare DESFire EV1 &amp; EV3</b>
Environment class	IP54
Maximum reading distance	4,00 cm (10.1 in)
Dimensions (H x W x D)	81 x 81 x 24 mm (3.2 x 3.2 x 0.9 in)

**PRODUCT CATALOG PAGE**

- LECTUS Select E**  
(black, with keypad)
- LECTUS Select E  
(black)
- LECTUS Select E  
(white, with keypad)
- LECTUS Select E  
(white)



# LECTUS Select E - Black without keypad

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS Select E (black)</b> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-ESELECT-BO*
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Connector with spring force clamp
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<u>Supported Credential technology</u>	<b>Mifare DESFire EV1 &amp; EV3</b>
Environment class	IP54
Maximum reading distance	4,00 cm (10.1 in)
Dimensions (H x W x D)	81 x 81 x 24 mm (3.2 x 3.2 x 0.9 in)

**PRODUCT CATALOG PAGE**

LECTUS Select E  
(black, with keypad)

**LECTUS Select E**  
**(black)**

LECTUS Select E  
(white, with keypad)

LECTUS Select E  
(white)



# LECTUS Select E - White with keypad

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS Select E (white, with keypad)</b> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-ESELECT-WOK*
Supported protocol	OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Connector with spring force clamp
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<u>Supported Credential technology</u>	<b>Mifare DESFire EV1 &amp; EV3</b>
Environment class	IP54
Maximum reading distance	4,00 cm (10.1 in)
Dimensions (H x W x D)	81 x 81 x 24 mm (3.2 x 3.2 x 0.9 in)

**PRODUCT CATALOG PAGE**

LECTUS Select E  
(black, with keypad)

LECTUS Select E  
(black)

**LECTUS Select E**  
**(white, with keypad)**

LECTUS Select E  
(white)



# LECTUS Select E - White without keypad

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS Select E (white)</b> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-ESELECT-WO*
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Connector with spring force clamp
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<u>Supported Credential technology</u>	<b>Mifare DESFire EV1 &amp; EV3</b>
Environment class	IP54
Maximum reading distance	4,00 cm (10.1 in)
Dimensions (H x W x D)	81 x 81 x 24 mm (3.2 x 3.2 x 0.9 in)

**PRODUCT CATALOG PAGE**

LECTUS Select E  
(black, with keypad)

LECTUS Select E  
(black)

LECTUS Select E  
(white, with keypad)

**LECTUS Select E  
(white)**



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 C</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	ARD-AYBS6260
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN, MIFARE Classic</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

PRODUCT CATALOG PAGE

**LECTUS Duo  
3000 C**

LECTUS Duo  
3000 CK

LECTUS Duo  
3000 E

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 CK</b> <span style="color: red;">■</span> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-AYBS6360
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN, MIFARE Classic</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

PRODUCT CATALOG PAGE

LECTUS Duo  
3000 C

**LECTUS Duo**  
**3000 CK**

LECTUS Duo  
3000 E

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 E</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-AYBS6280
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN</b> , <b>MIFARE Classic</b> , <b>MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

PRODUCT CATALOG PAGE

LECTUS Duo  
3000 C

LECTUS Duo  
3000 CK

**LECTUS Duo**  
**3000 E**

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 EK</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-AYBS6380
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Terminal strip
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

**PRODUCT CATALOG PAGE**

LECTUS Duo  
3000 C

LECTUS Duo  
3000 CK

LECTUS Duo  
3000 E

**LECTUS Duo  
3000 EK**



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 C</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	ARD-AYBS6260
Supported protocol	Wiegand, OSDPv1
Key pad	<b>No</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN, MIFARE Classic</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

PRODUCT CATALOG PAGE

**LECTUS Duo  
3000 C**

LECTUS Duo  
3000 CK

LECTUS Duo  
3000 E

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 CK</b> <span style="color: red;">■</span> <span style="color: orange;">■</span>
Commercial type number (CTN)	ARD-AYBS6360
Supported protocol	Wiegand, OSDPv1
Key pad	<b>Yes</b>
Panel connection	Terminal strip
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>ISO14443A CSN, MIFARE Classic</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

[PRODUCT CATALOG PAGE](#)

LECTUS Duo  
3000 C

**LECTUS Duo  
3000 CK**

LECTUS Duo  
3000 E

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 E</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-AYBS6280
Supported protocol	Wiegand, OSDPv1
Key pad	<b>No</b>
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	<b>ISO14443A CSN</b> , <b>MIFARE Classic</b> , <b>MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

PRODUCT CATALOG PAGE

LECTUS Duo  
3000 C

LECTUS Duo  
3000 CK

**LECTUS Duo**  
**3000 E**

LECTUS Duo  
3000 EK



# Smart Card Readers MIFARE

CLOSE



**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>LECTUS duo 3000 EK</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-AYBS6380
Supported protocol	Wiegand, OSDPv1
Key pad	<b>Yes</b>
Panel connection	Terminal strip
Mounting	Surface mount
<b>Supported Credential technology</b>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	3 cm (1.18 in.)
Dimensions (H x W x D)	137 x 44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)

**PRODUCT CATALOG PAGE**

LECTUS Duo  
3000 C

LECTUS Duo  
3000 CK

LECTUS Duo  
3000 E

**LECTUS Duo  
3000 EK**



# Smart Card Readers Seos

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>LECTUS secure 1000 SO</b> 
Commercial type number (CTN)	ARD-SIGR20-SEO
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Terminal
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>Seos</b>
Environment class	IP55
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm

PRODUCT CATALOG PAGE



# Smart Card Readers Seos

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>LECTUS secure 1000 SO</b> 
Commercial type number (CTN)	ARD-SIGR20-SEO
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Terminal
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>Seos</b>
Environment class	IP55
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm

PRODUCT CATALOG PAGE



# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black, with keypad) <span style="color: green;">■</span>	LECTUS Select (black, with keypad, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-BOK*	ARD-SELECT-BOKM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>Yes</b>	<b>Yes</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
Supported Credential technology	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

**PRODUCT CATALOG PAGE**

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black)	<span style="color: green;">■</span> LECTUS Select (black, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-BO*	ARD-SELECT-BOM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>No</b>	<b>No</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
Supported Credential technology	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

[PRODUCT CATALOG PAGE](#)

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white, with keypad) <span style="color: green;">■</span>	LECTUS Select (white, with keypad, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-WOK*	ARD-SELECT-WOKM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>Yes</b>	<b>Yes</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
Supported Credential technology	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

[PRODUCT CATALOG PAGE](#)

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

**Security Level**

**Supported Credential technology**

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white)	<span style="color: green;">■</span> LECTUS Select (white, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-WO*	ARD-SELECT-WOM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>No</b>	<b>No</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
Supported Credential technology	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

**PRODUCT CATALOG PAGE**

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black, with keypad) <span style="color: green;">■</span>	LECTUS Select (black, with keypad, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-BOK*	ARD-SELECT-BOKM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>Yes</b>	<b>Yes</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<a href="#">Supported Credential technology</a>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

**PRODUCT CATALOG PAGE**

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black)	<span style="color: green;">■</span> LECTUS Select (black, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-BO*	ARD-SELECT-BOM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>No</b>	<b>No</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<a href="#">Supported Credential technology</a>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

PRODUCT CATALOG PAGE

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

## Security Level

### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white, with keypad) <span style="color: green;">■</span>	LECTUS Select (white, with keypad, BLE) <span style="color: green;">■</span>
Commercial type number (CTN)	ARD-SELECT-WOK*	ARD-SELECT-WOKM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>Yes</b>	<b>Yes</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<a href="#">Supported Credential technology</a>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

[PRODUCT CATALOG PAGE](#)

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# Smart Card Readers MIFARE/LEGIC\*

CLOSE



\* Check regional availability!

### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white)	■ LECTUS Select (white, BLE) ■
Commercial type number (CTN)	ARD-SELECT-WO*	ARD-SELECT-WOM*
Supported protocol	OSDPv2 SC	OSDPv2 SC
Key pad	<b>No</b>	<b>No</b>
Panel connection	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (optional <a href="#">mount panel</a> )	Flush mount / Surface mount (optional <a href="#">mount panel</a> )
<a href="#">Supported Credential technology</a>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant</b>	<b>MIFARE DESFire EV1 &amp; EV3, LEGIC advant, Mobile Credential</b>
Environment class	IP54	IP54
Maximum reading distance	7,6 cm (2.99 in.)	7,6 cm (2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)	88 x 99 x 27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available	<a href="#">BLUETOOTH®</a>

PRODUCT CATALOG PAGE

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# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers mullion <span style="color: green;">■</span> <span style="color: red;">■</span>
Commercial type number (CTN)	ARC1W33BPH5B201A
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
<u>Credential technology</u>	<b>MIFARE DESFire EV1 &amp; EV3, ISO14443A CSN</b>
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 42,2 x 22 mm

PRODUCT CATALOG PAGE

**STid readers  
Mullion**

STid readers  
Standard

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



### Security Level

#### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard <span style="float: right;">■ ■</span>
Commercial type number (CTN)	ARCW33APH5B201A
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal
Mounting	Surface mount
<u>Credential technology</u>	<b>MIFARE DESFire EV1 &amp; EV3, ISO14443A CSN</b>
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

**STid readers  
Standard**

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard, keypad <span style="color: green;">■</span> <span style="color: red;">■</span>
Commercial type number (CTN)	ARCW33BPH5B201A
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal
Mounting	Surface mount
<u>Credential technology</u>	<b>MIFARE DESFire EV1 &amp; EV3, ISO14443A CSN</b>
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

STid readers  
Standard

**STid readers  
Standard, keypad**



# Smart Card Readers MIFARE

CLOSE



## Security Level

### [Credential technology](#)

-  Low security
-  Moderate security
-  High security

Product name	STid readers mullion 
Commercial type number (CTN)	ARC1W33BPH5B201A
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
<a href="#">Credential technology</a>	<b>MIFARE DESFire EV1 &amp; EV3, ISO14443A CSN</b>
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 42,2 x 22 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

STid readers  
Standard

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

Product name	STid readers standard	
Commercial type number (CTN)	ARCW33APH5B201A	
Supported protocol	OSDPv2 SC	
Key pad	<b>No</b>	
Panel connection	Terminal	
Mounting	Surface mount	
<u>Credential technology</u>	<b>MIFARE DESFire EV1 &amp; EV3, ISO14443A CSN</b>	
Environment class	IP65	
Maximum reading distance	8 cm	
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm	

PRODUCT CATALOG PAGE

STid readers  
Mullion

STid readers  
Standard

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard, keypad <span style="color: green;">■</span> <span style="color: red;">■</span>
Commercial type number (CTN)	ARCW33BPH5B201A
Supported protocol	OSDPv2 SC
Key pad	<b>No</b>
Panel connection	Terminal
Mounting	Surface mount
<u>Credential technology</u>	<b>MIFARE DESFire EV1 &amp; EV3, ISO14443A CSN</b>
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

STid readers  
Standard

**STid readers  
Standard, keypad**



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers mullion <span style="float: right;">■ ■ ■</span>
Commercial type number (CTN)	ARC1R31B103B101A
Supported protocol	Wiegand
Key pad	<b>No</b>
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
<u>Credential technology</u>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 42,2 x 22 mm

PRODUCT CATALOG PAGE

**STid readers  
Mullion**

STid readers  
Standard

STid readers  
Standard, keypad



# LECTUS blue

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

<b>Product name</b>	<b>LECTUS blue</b> <span style="color: orange;">■</span>
Material description	Reader module, BLE, Wiegand
Commercial type number (CTN)	ARM-BLUE-WI
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF
Software compatibility	AMS 5.5 and above; BIS-ACE 5.0.1. and above
Reader compatibility	LECTUS duo, STid Wiegand, LECTUS secure (iCLASS SE)
Interfaces	Wiegand
Supported protocol	Wiegand
Panel connection	Terminal strip
<u>Supported Credential technology</u>	<b>Mobile Credential</b>
Power supply	10 – 30 VDC
Environment class	IP54*, IP55
Dimensions (H x W x D)	21 x 30 x 7 mm
Wireless technology standard	BLUETOOTH®

\* Environment class dependent on reader choice



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard <span style="float: right;">■ ■ ■</span>
Commercial type number (CTN)	ARCR31A103B101A
Supported protocol	Wiegand
Key pad	<b>No</b>
Panel connection	Terminal
Mounting	Surface mount
<u>Credential technology</u>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

**STid readers  
Standard**

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard, keypad <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARCR31B103B101A
Supported protocol	Wiegand
Key pad	<b>Yes</b>
Panel connection	Terminal
Mounting	Surface mount
<u>Credential technology</u>	<b>ISO14443A CSN</b> , <b>MIFARE Classic</b> , <b>MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

STid readers  
Standard

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers mullion <span style="float: right;">■ ■ ■</span>
Commercial type number (CTN)	ARC1R31B103B101A
Supported protocol	Wiegand
Key pad	<b>No</b>
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
<u>Credential technology</u>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 42,2 x 22 mm

PRODUCT CATALOG PAGE

**STid readers  
Mullion**

STid readers  
Standard

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard	■ ■ ■
Commercial type number (CTN)	ARCR31A103B101A	
Supported protocol	Wiegand	
Key pad	<b>No</b>	
Panel connection	Terminal	
Mounting	Surface mount	
<u>Credential technology</u>	<b>ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>	
Environment class	IP65	
Maximum reading distance	8 cm	
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm	

PRODUCT CATALOG PAGE

STid readers  
Mullion

**STid readers  
Standard**

STid readers  
Standard, keypad



# Smart Card Readers MIFARE

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

Product name	STid readers standard, keypad <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	ARCR31B103B101A
Supported protocol	Wiegand
Key pad	<b>Yes</b>
Panel connection	Terminal
Mounting	Surface mount
<u>Credential technology</u>	<b>ISO14443A CSN</b> , <b>MIFARE Classic</b> , <b>MIFARE DESFire EV1 &amp; EV3</b>
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

PRODUCT CATALOG PAGE

STid readers  
Mullion

STid readers  
Standard

STid readers  
Standard, keypad



# Fingerprint reader, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b>
Commercial type number (CTN)	293678615
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	N/A (fingerprint only)
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

[Supported Credential technology](#)

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

**Fingerprint reader,  
LED indicator**

Fingerprint card reader,  
iClass, LED indicator

Fingerprint card reader,  
Prox, LED indicator

Fingerprint card reader,  
Multi, LED indicator



# Fingerprint card reader, iClass, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	293678628
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>HID iCLASS, iClass SE, Seos</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

Fingerprint reader,  
LED indicator

**Fingerprint card reader,  
iClass, LED indicator**

Fingerprint card reader,  
Prox, LED indicator

Fingerprint card reader,  
Multi, LED indicator



# Fingerprint card reader, HID Prox, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b> <span style="color: red;">■</span>
Commercial type number (CTN)	293673665
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>HID Prox</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

Fingerprint reader,  
LED indicator

Fingerprint card reader,  
iClass, LED indicator

**Fingerprint card reader,  
HID Prox, LED indicator**

Fingerprint card reader,  
Multi, LED indicator



# Fingerprint card reader, Multi, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	293678636
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>MIFARE Classic</b> , <b>MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

\* Bosch key not compatible

**PRODUCT CATALOG PAGE**

Fingerprint reader,  
LED indicator

Fingerprint card reader,  
iClass, LED indicator

Fingerprint card reader,  
Prox, LED indicator

**Fingerprint card reader,  
Multi, LED indicator**



# Fingerprint card reader, iClass, touchscreen

CLOSE



## Security Level

### [Supported Credential technology](#)

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>IDEMIA SIGMA Lite+</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	293673644
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>HID iCLASS, iClass SE, Seos</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

[PRODUCT CATALOG PAGE](#)

[Fingerprint card reader, iClass, touchscreen](#)

[Fingerprint card reader, Prox, touchscreen](#)

[Fingerprint card reader, Multi, touchscreen](#)



# Fingerprint card reader, Prox, touchscreen

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>IDEMIA SIGMA Lite+</b> <span style="color: red;">■</span>
Commercial type number (CTN)	293678678
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>HID Prox</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**PRODUCT CATALOG PAGE**

Fingerprint card reader,  
iClass, touchscreen

**Fingerprint card reader,**  
**Prox, touchscreen**

Fingerprint card reader,  
Multi, touchscreen



# Fingerprint card reader, Multi, touchscreen

CLOSE



### Security Level

#### Supported Credential technology

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>IDEMIA SIGMA Lite+</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	293678660
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>MIFARE Classic</b> , <b>MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

**PRODUCT CATALOG PAGE**

Fingerprint card reader,  
iClass, touchscreen

Fingerprint card reader,  
Prox, touchscreen

**Fingerprint card reader,  
Multi, touchscreen**



# Contactless 3D fingerprint card reader

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA MorphoWave Compact</b> 
Commercial type number (CTN)	293722319
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount or pedestal mount (optional)
<a href="#">Supported Credential technology</a>	<b>HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	250 x 152 x 216 mm

\* Bosch key not compatible

PRODUCT CATALOG PAGE



# Facial recognition card reader

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA VisionPass</b> 
Commercial type number (CTN)	293744604
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

[PRODUCT CATALOG PAGE](#)



# Fingerprint card reader Multiclass

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

Product name	Fingerprint reader	
Commercial type number (CTN)	ARD-FPBEW2-H3	
Supported protocol	Wiegand, OSDPv2 SC	
Panel connection	Terminal strip, RJ45 (PoE)	
Mounting	Surface mount	
<a href="#">Supported Credential technology</a>	<b>EM, HIDprox, HID-Corporate-1000, iCLASS, iCLASS SE, Seos, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>	
Environment class	IP67	
Maximum reading distance	13 - 127 mm (0.51 - 5 in.)	
Dimensions (H x W x D)	172 x 50 x 43 mm (6.77 x 1.97 x 1.69 in.)	

PRODUCT CATALOG PAGE



# Fingerprint reader, LED indicator

CLOSE



## Security Level

### [Supported Credential technology](#)

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>IDEMIA SIGMA Lite</b>
Commercial type number (CTN)	293678615
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	N/A (fingerprint only)
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

[PRODUCT CATALOG PAGE](#)

**Fingerprint reader,  
LED indicator**

Fingerprint card reader,  
iClass, LED indicator

Fingerprint card reader,  
Prox, LED indicator

Fingerprint card reader,  
Multi, LED indicator



# Fingerprint card reader, iClass, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	293678628
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>HID iCLASS, iClass SE, Seos</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

Fingerprint reader,  
LED indicator

**Fingerprint card reader,  
iClass, LED indicator**

Fingerprint card reader,  
Prox, LED indicator

Fingerprint card reader,  
Multi, LED indicator



# Fingerprint card reader, HID Prox, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b> <span style="color: red;">■</span>
Commercial type number (CTN)	293673665
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>HID Prox</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

Fingerprint reader,  
LED indicator

Fingerprint card reader,  
iClass, LED indicator

**Fingerprint card reader,  
HID Prox, LED indicator**

Fingerprint card reader,  
Multi, LED indicator



# Fingerprint card reader, Multi, LED indicator

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite</b> <span style="color: red;">■</span> <span style="color: orange;">■</span> <span style="color: green;">■</span>
Commercial type number (CTN)	293678636
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>MIFARE Classic</b> , <b>MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

\* Bosch key not compatible

**PRODUCT CATALOG PAGE**

Fingerprint reader,  
LED indicator

Fingerprint card reader,  
iClass, LED indicator

Fingerprint card reader,  
Prox, LED indicator

**Fingerprint card reader,  
Multi, LED indicator**



# Fingerprint card reader, iClass, touchscreen

CLOSE



## Security Level

### [Supported Credential technology](#)

- Low security
- Moderate security
- High security

<b>Product name</b>	<b>IDEMIA SIGMA Lite+</b> <span style="float: right;">■ ■</span>
Commercial type number (CTN)	293673644
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>HID iCLASS, iClass SE, Seos</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

[PRODUCT CATALOG PAGE](#)

[Fingerprint card reader, iClass, touchscreen](#)

[Fingerprint card reader, Prox, touchscreen](#)

[Fingerprint card reader, Multi, touchscreen](#)



# Fingerprint card reader, Prox, touchscreen

CLOSE



<b>Product name</b>	<b>IDEMIA SIGMA Lite+</b> <span style="color: red;">■</span>
Commercial type number (CTN)	293678678
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	<b>HID Prox</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

**Security Level**

Supported Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

Fingerprint card reader,  
iClass, touchscreen

**Fingerprint card reader,**  
**Prox, touchscreen**

Fingerprint card reader,  
Multi, touchscreen



# Fingerprint card reader, Multi, touchscreen

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA SIGMA Lite+</b> 
Commercial type number (CTN)	293678660
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>MIFARE Classic</b> , <b>MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

[PRODUCT CATALOG PAGE](#)

[Fingerprint card reader,  
iClass, touchscreen](#)

[Fingerprint card reader,  
Prox, touchscreen](#)

**[Fingerprint card reader,  
Multi, touchscreen](#)**



# Contactless 3D fingerprint card reader

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA MorphoWave Compact</b> 
Commercial type number (CTN)	293722319
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount or pedestal mount (optional)
<a href="#">Supported Credential technology</a>	<b>HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	250 x 152 x 216 mm

\* Bosch key not compatible

[PRODUCT CATALOG PAGE](#)



# Contactless fingerprint reader, SP MD

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA MorphoWave SP</b> 
Commercial type number (CTN)	2937777400
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>no</b>
Panel connection	Pigtail
Mounting	Surface mount or pedestal mount (optional)
<a href="#">Supported Credential technology</a>	<b>MIFARE DESFire*</b>
Environment class	IP65
Dimensions (H x W x D)	250 x 152 x 216 mm

\* Bosch key not compatible

PRODUCT CATALOG PAGE



# Facial recognition card reader

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA VisionPass</b> 
Commercial type number (CTN)	293744604
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

[PRODUCT CATALOG PAGE](#)



# Facial recognition reader, SP MDI

CLOSE



## Security Level

### [Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

<b>Product name</b>	<b>IDEMIA VisionPass SP</b> 
Commercial type number (CTN)	293793826
Supported protocol	Wiegand, OSDPv2 SC
Key pad	<b>Yes</b>
Panel connection	Pigtail
Mounting	Surface mount
<a href="#">Supported Credential technology</a>	<b>iClass SE, Seos, MIFARE DESFire EV1*</b>
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

[PRODUCT CATALOG PAGE](#)



# Fingerprint card reader Multiclass

CLOSE



## Security Level

### Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	Fingerprint reader	
Commercial type number (CTN)	ARD-FPBEW2-H3	
Supported protocol	Wiegand, OSDPv2 SC	
Panel connection	Terminal strip, RJ45 (PoE)	
Mounting	Surface mount	
Supported Credential technology	<b>EM, HIDprox, HID-Corporate-1000, iCLASS, iCLASS SE, Seos, MIFARE Classic, MIFARE DESFire EV1 &amp; EV3</b>	
Environment class	IP67	
Maximum reading distance	13 - 127 mm (0.51 - 5 in.)	
Dimensions (H x W x D)	172 x 50 x 43 mm (6.77 x 1.97 x 1.69 in.)	

PRODUCT CATALOG PAGE



# Request-to-Exit detectors

CLOSE



Product name	Request-to-exit sensor, sounder
Commercial type number (CTN)	DS160 (white) / DS161 (black)
Material	High impact ABS plastic enclosure
Power Loss Default	Programmable fail-safe or fail-secure modes
Timer	Programmable reset accumulative or non-reset counting mode.
Voltage	12 VAC or VDC to 30 VAC or VDC
Alarm Output	Two Form C relay contacts each rated 1 A at 30 VAC or VDC for resistive loads
Indicators	1 activation LED
Relay Latch Time	Adjustable from 0.5 sec to 64 sec.
Dimensions (H x W x D)	4,5 cm x 17,1cm x 4,4 cm (1.80 x 6.75 x 1.75 in.)
Door monitor	yes
Keycard input	yes
Integrated sounder	yes
Sequel Logic Input (SLI)	yes

PRODUCT CATALOG PAGE



# Card container with yoyo

ACX-JOJCON01

**CLOSE**



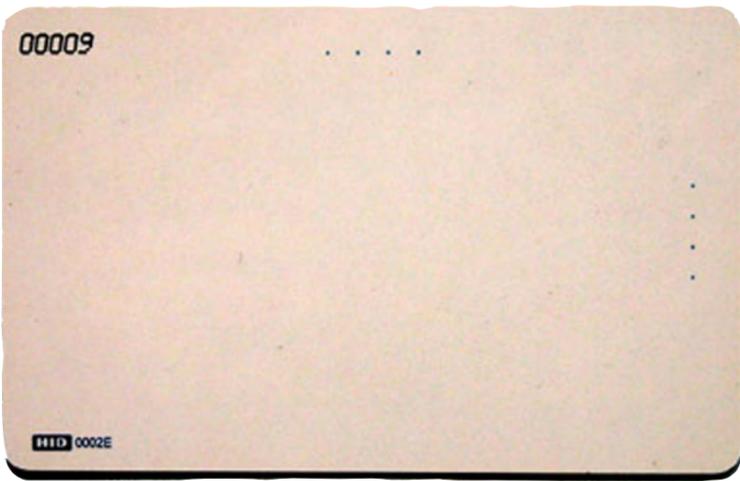
Material description	Solid, clear polycarbonate housing, anti-reflexion surface, horizontal layout, yoyo with cord and snap-hook
Container dimensions (H x W x D)	96 x 63 x 4.5 mm
Suitable for card dimensions (H x W x D)	85,7 x 54 x 0,76 mm
Jojo dimensions	35 x 55 mm
Cord length	600 mm (approx.)

**PRODUCT CATALOG PAGE**



# HIDprox card

ACD-ISO CARD



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

[CLOSE](#)

Credential technology	<b>HIDprox</b> <span style="color: red;">■</span>
Card definition	26 bit
Transmission frequency	125 kHz
Material	Plastic card, PVC
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	<b>no</b>
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,7 x 54 x 0,76 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces



# HIDprox clamshell card

ACD-PROXCARDII

CLOSE



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

Credential technology	<b>HIDprox</b>	
Card definition	26 bit	
Transmission frequency	125 kHz	
Material	Plastic card, PVC	
Coding	Chip number, customer (or facility) code	
Imprinted card number	yes	
Printable	yes	
Slot punch	<b>yes</b>	
Data preservation	10 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	85,7 x 54 x 1,9 mm (3.37 x 2.13 x 0.07 in.)	
Packing unit	50 pieces	



# EM card

ACD-ATR11ISO



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**CLOSE**

Credential technology	<b>EM4102</b> 
Card definition	26 bit
Transmission frequency	125 kHz
Material	ABS
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	<b>no</b>
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	25 pieces

**PRODUCT CATALOG PAGE**



# EM clamshell card

ACD-ATR14CS



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**CLOSE**

Credential technology	<b>EM4102</b> 
Card definition	26 bit
Transmission frequency	125 kHz
Material	ABS
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	<b>yes</b>
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	25 pieces

**PRODUCT CATALOG PAGE**



# EM RFID tag

ACA-ATR13



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**CLOSE**

Credential technology	<b>EM4102</b> 
Card definition	26 bit
Transmission frequency	125 kHz
Material	PVC / PET
Coding	Chip number, customer (or facility) code
Imprinted card number	no
Printable	no
Slot punch	key ring hole
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	54,5 x 35 x 7,3 mm (2.14 x 1.37 x 0.28 in.)
Packing unit	25 pieces

**PRODUCT CATALOG PAGE**



# iCLASS card

CLOSE



### Security Level

#### Credential technology

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

<b>Commercial type number (CTN)</b>	<b>ACD-ICL256-2AR</b> <span style="color: orange;">■</span>
Credential technology	<b>iCLASS</b>
Memory / application area	<b>256 B / 2 AR</b>
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces

**ACD-ICL256-2AR**

ACD-ICL2K-2AR

ACD-ICL2K-16AR



# iCLASS card

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Commercial type number (CTN)</b>	<b>ACD-ICL2K-2AR</b> <span style="color: orange;">■</span>
Credential technology	<b>iCLASS</b>
Memory / application area	<b>2 kB / 2 AR</b>
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces

[ACD-ICL256-2AR](#)

**[ACD-ICL2K-2AR](#)**

[ACD-ICL2K-16AR](#)



# iCLASS card

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

[PRODUCT CATALOG PAGE](#)

<b>Commercial type number (CTN)</b>	<b>ACD-ICL2K-16AR</b> <span style="color: orange;">■</span>
Credential technology	<b>iCLASS</b>
Memory / application area	<b>2 kB / 16 AR</b>
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces

[ACD-ICL256-2AR](#)

[ACD-ICL2K-2AR](#)

**[ACD-ICL2K-16AR](#)**



# iCLASS card

CLOSE



### Security Level

#### Credential technology

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

<b>Commercial type number (CTN)</b>	<b>ACD-ICL256-2AR</b> <span style="color: orange;">■</span>
Credential technology	<b>iCLASS</b>
Memory / application area	<b>256 B / 2 AR</b>
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces

**ACD-ICL256-2AR**

ACD-ICL2K-2AR

ACD-ICL2K-16AR



# iCLASS card

CLOSE



### Security Level

#### Credential technology

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

<b>Commercial type number (CTN)</b>	<b>ACD-ICL2K-2AR</b>	<span style="color: orange;">■</span>
Credential technology	<b>iCLASS</b>	
Memory / application area	<b>2 kB / 2 AR</b>	
Card definition	26 bit	
Transmission frequency	13,56 MHz	
Material	PVC	
Coding	Chip number, customer (or facility) code	
Imprinted card number	yes	
Printable	yes	
Slot punch	no	
Data preservation	10 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)	
Packing unit	50 pieces	

[ACD-ICL256-2AR](#)

**[ACD-ICL2K-2AR](#)**

[ACD-ICL2K-16AR](#)



# iCLASS card

CLOSE



### Security Level

#### Credential technology

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

<b>Commercial type number (CTN)</b>	<b>ACD-ICL2K-16AR</b>	<span style="color: orange;">■</span>
Credential technology	<b>iCLASS</b>	
Memory / application area	<b>2 kB / 16 AR</b>	
Card definition	26 bit	
Transmission frequency	13,56 MHz	
Material	PVC	
Coding	Chip number, customer (or facility) code	
Imprinted card number	yes	
Printable	yes	
Slot punch	no	
Data preservation	10 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	85,6 x 54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)	
Packing unit	50 pieces	

[ACD-ICL256-2AR](#)

[ACD-ICL2K-2AR](#)

**[ACD-ICL2K-16AR](#)**



# iCLASS keyfob

ACT-ICL256-2AR\*

**CLOSE**



\* Check regional availability!

### Security Level

#### Credential technology

- Low security
- Moderate security
- High security

**PRODUCT CATALOG PAGE**

Credential technology	<b>iCLASS</b> <span style="color: orange;">■</span>
Memory / application area	<b>256 B / 2 AR</b>
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring hole
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	34 x 31 x 4.4 mm (1.34 x 1.22 x 0.17 in.)
Packing unit	50 pieces



# iCLASS adhesive tag

ACA-ICL256-2AR\*

**CLOSE**



\* Check regional availability!

## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**PRODUCT CATALOG PAGE**

Credential technology	iCLASS 
Memory / application areas	<b>256 B / 2 AR</b>
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted keyfob number	no
Printable	no
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (W x D)	32,64 x 1,78 mm (1.29 x 0.07 in.)
Packing unit	50 pieces



# MIFARE classic card

ACD-MFC-ISO

**CLOSE**



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**PRODUCT CATALOG PAGE**

Credential technology	<b>MIFARE classic</b> 
Memory / application areas	1 kB
Card definition	60 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,76 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces



# MIFARE classic keyfob

ACT-MFCTRF-SA1

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

Credential technology	MIFARE classic	■
Memory / application areas	1 kB	
Card definition	60 bit	
Transmission frequency	13,56 MHz	
Material	PVC	
Coding	Card number protected by (unique) Bosch BT key	
Imprinted keyfob number	yes	
Printable	no	
Slot punch	key ring hole	
Data preservation	10 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	58 x 32 x 4,5 mm (2.28 x 1.26 x 0.18 in.)	
Packing unit	50 pieces	



# MIFARE EV1 card

ACD-EV1-ISO

**CLOSE**



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**PRODUCT CATALOG PAGE**

Credential technology	<b>MIFARE DESFire EV1</b> 
Memory / application areas	8 kB
Card definition	AES 128 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,76 mm (3.37 x 2.13 x 0.03 in.)
Packing unit	50 pieces



# MIFARE EV1 keyfob

ACT-EV1TRF-SA1

**CLOSE**



## Security Level

### Credential technology

-  Low security
-  Moderate security
-  High security

**PRODUCT CATALOG PAGE**

Credential technology	<b>MIFARE DESFire EV1</b> 
Memory / application areas	8 kB
Card definition	AES 128 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring hole
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	58 x 32 x 4,5 mm
Packing unit	50 pieces



# MIFARE EV3 keyfob

ACT-EV1TRF-SA1

CLOSE



## Security Level

### [Credential technology](#)

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

<a href="#">Credential technology</a>	MIFARE DESFire EV3 
Memory / application areas	8 kB
Card definition	AES 128 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring hole
Data preservation	25 years
Transaction times	< 100 ms
Dimensions (H x W x D)	58 x 32 x 4,5 mm
Packing unit	50 pieces



# MIFARE EV3 card

ACD-EV3-ISO



## Security Level

### [Credential technology](#)

-  Low security
-  Moderate security
-  High security

**CLOSE**

<a href="#">Credential technology</a>	<b>MIFARE DESFire EV3</b> 
Memory / application areas	8 kB
Card definition	AES 128 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	25 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0,76 mm
Packing unit	50 pieces

**PRODUCT CATALOG PAGE**



# Seos keyfob

ACT-SEO8K37-10



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

**CLOSE**

<u>Credential technology</u>	Seos	■
Memory / application areas	8 kB	
Card definition	37 bit	
Transmission frequency	13,56 MHz	
Material	PVC	
Coding	Chip number, customer (or facility) code	
Imprinted keyfob number	yes	
Printable	no	
Slot punch	key ring hole	
Data preservation	10 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	34 x 31 x 4,4 mm	
Packing unit	10 pieces	

**PRODUCT CATALOG PAGE**



# Seos keyfob

ACT-SEO8K26-10



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

**CLOSE**

<u>Credential technology</u>	Seos	<span style="color: orange;">■</span>
Memory / application areas	8 kB	
Card definition	26 bit	
Transmission frequency	13,56 MHz	
Material	PVC	
Coding	Chip number, customer (or facility) code	
Imprinted keyfob number	yes	
Printable	no	
Slot punch	key ring hole	
Data preservation	10 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	34 x 31 x 4,4 mm	
Packing unit	10 pieces	

**PRODUCT CATALOG PAGE**



# Seos card

ACD-SEO8K37-50

CLOSE



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

PRODUCT CATALOG PAGE

<u>Credential technology</u>	Seos
Memory / application areas	8 kB
Card definition	37 bit
Transmission frequency	13,56 MHz
Material	PVC, PET
Coding	Chip number, customer (or facility) code
Imprinted keyfob number	yes
Printable	yes
Slot punch	no
Data preservation	20 years
Transaction times	< 100 ms
Dimensions (H x W x D)	54 x 85,73x 0,84 mm
Packing unit	50 pieces



# Seos card

ACD-SEO8K26-50

**CLOSE**



## Security Level

### Credential technology

- Low security
- Moderate security
- High security

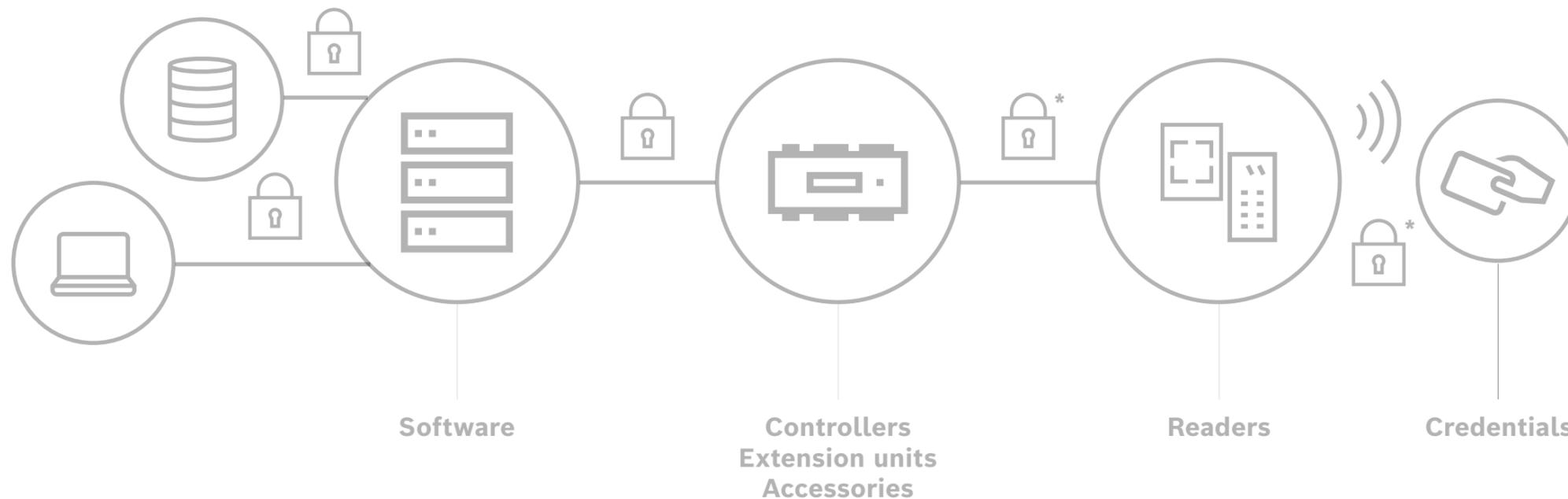
**PRODUCT CATALOG PAGE**

<u>Credential technology</u>	Seos	<span style="color: orange;">■</span>
Memory / application areas	8 kB	
Card definition	26 bit	
Transmission frequency	13,56 MHz	
Material	PVC, PET	
Coding	Chip number, customer (or facility) code	
Imprinted keyfob number	yes	
Printable	yes	
Slot punch	no	
Data preservation	20 years	
Transaction times	< 100 ms	
Dimensions (H x W x D)	54 x 85,73x 0,84 mm	
Packing unit	50 pieces	

# You completed all the steps

You can use the [Wishlist](#)  to tag the products of your interest.

If you would like to contact us, please find the contact data of our local specialists on [our website](#).



CLOSE

# LECTUS select

## Equipped with Bluetooth® Low Energy module

### Availability in March 2023

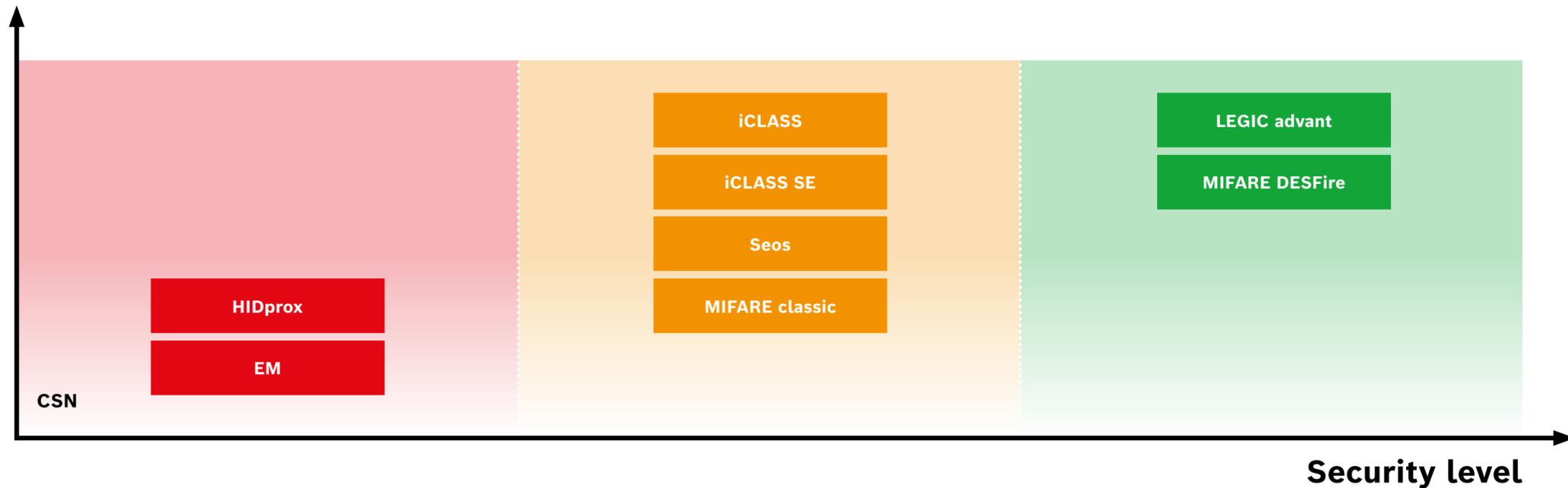
- Using a mobile phone for authentication in front of the LECTUS select reader can be enabled with Mobile Access by Bosch
- Allows to use **physical** as well as **mobile credentials**
- Compatibility with the OSDP LECTUS select BLE reader series

### Mobile Access is compatible with software versions:

- AMS 5.0.1
- BIS 5.1
- Mobile Access 5.0



# Credential technology based on Security Level



## Low Security

**CSN number:** The CSN code is not a card technology but refers to the unique card serial number of an access control smartcard (13,56Mhz). All smart cards contain a CSN as required by the ISO specifications 14443 and 15693. The CSN is also called the UID (Unique ID), and CUID (Card Unique ID). Please note that if you apply the CSN number for access control applications there is **no security or authentication!** Therefore, we classify the usage of this serial number as the lowest security level.

**HIDprox and EM:** Traditional card technologies - commonly referred to as 'prox' cards - which make use of the 125Khz frequency to communicate contactless between card and reader. The card immediately begins to transmit its card number when it approaches the readers field. The **data transmitted by the card is fixed and is not encrypted**, which is also the key disadvantage of this technology. The reason to choose this technology is because it is low cost, relatively fast and has a longer read range (10 cm) than smart cards usually deliver. Because the possibility to copy 125kHz cards exists for more than 20 years already, we classify the usage of this serial number as the lowest security level.

## Moderate security

**iCLASS, iCLASS SE, Seos, MIFARE Classic:** These credential technologies are based on the 13,56Mhz frequency. They are addressing the security issues with 125kHz technology by enabling two-way communication between the card and reader. Due to the introduction of encryption and the ability to store data on the card, they are called 'smartcard' technologies. All data (biometric template, offline locking, canteen payment, etc.) can be stored in storage areas known as card sectors. When the card approaches the RF field of the reader, the card and reader begin an encrypted communication session using shared encryption keys. Typically, the **encrypted two-way communication** requires more energy from the card meaning a slightly reduced read range of around 7 cm (compared to 125Khz technology). Unfortunately, approx. 10 years ago the **encryption algorithm was hacked**, so ever since with the right knowledge and hardware, a card can be copied. Therefore, we classify these technologies as moderate security.

## High security

**MIFARE DESFire, LEGIC advant:** These credential technologies are the latest variants for the 13,56Mhz frequency smartcard technology. Specifically, MIFARE DESFire is the newest - and most secure - of the MIFARE standards and includes a cryptographic module on the card that adds an additional layer of triple DES and AES encryption to the card/reader transaction which reduces the risk of cloning / creating cards. This is one of the **highest standards of card security currently available**, however typically it does come with a reduced reading range compared with the other credential technologies.



# Wishlist

## Software

AMS-BLIT	<a href="#">Access Management System Lite</a>
AMS-BPLU	<a href="#">Access Management System Plus</a>
AMS-BPRO	<a href="#">Access Management System Professional</a>
AMS-FVISLIT	<a href="#">Visitor Management for AMS Lite</a>
AMS-FVISPLU	<a href="#">Visitor Management for AMS Plus</a>

## Controllers

APC-AMC2-2WCF	<a href="#">Door controller Wiegand 2 readers</a>
APC-AMC2-4WCF	<a href="#">Door controller Wiegand 4-8 readers</a>
APC-AMC2-4R4CF	<a href="#">Door controller RS-485 8 readers</a>

## Extension units

API-AMC2-8IOE	<a href="#">I/O extension board with 8-input &amp; 8-output</a>
API-AMC2-16IOE	<a href="#">I/O extension board with 16-input &amp; 16-output</a>
API-AMC2-16IE	<a href="#">I extension board with 16-input</a>
API-AMC2-4WE	<a href="#">Wiegand extension board for 4 readers</a>

## Accessoires

AEC-AMC2-UL01	<a href="#">Enclosure with 1 DIN rail</a>
AEC-AMC2-UL02	<a href="#">Enclosure with 2 DIN rails</a>
AEC-AMC2-ENC3	<a href="#">Enclosure with power supply &amp; DIN rail</a>
AEC-PANEL19-UPS	<a href="#">Mounting plate for 2 DIN rails</a>
AEC-PANEL19-4DR	<a href="#">Mounting plate for 4 DIN rails</a>
APS-PSU-60	<a href="#">Power Supply Unit</a>

## Card readers

ARD-MINIPROX	<a href="#">HIDprox, EM, mullion</a>
ARD-PROX-PPL	<a href="#">HIDprox, EM, mini mullion</a>
ARD-ENTRYPROX	<a href="#">HIDprox, standalone device</a>
ARD-AYK12	<a href="#">Card Reader, EM, mini mullion</a>

## Compatibility

■ Wiegand ■ RS485 ■ Wiegand & RS485

## Smart card readers

ARD-SIGR20-ICL	<a href="#">LECTUS secure 1000 IC</a>
ARD-SIGR20K-ICL	<a href="#">LECTUS secure 3000 IC</a>
ARD-SIGR40-ICL	<a href="#">LECTUS secure 4000 IC</a>
ARD-SIGR40K-ICL	<a href="#">LECTUS secure 5000 IC</a>
ARD-SIGR20-SEO	<a href="#">LECTUS secure 1000 SO</a>
ARD-AYBS6260	<a href="#">LECTUS duo 3000 C</a>
ARD-AYBS6360	<a href="#">LECTUS duo 3000 CK</a>
ARD-AYBS6280	<a href="#">LECTUS duo 3000 E</a>
ARD-AYBS6380	<a href="#">LECTUS duo 3000 EK</a>
ARD-SIGR20-SEO	<a href="#">LECTUS secure 1000 SO</a>
ARD-SELECT-BOK	<a href="#">LECTUS Select (black, with keypad)</a>
ARD-SELECT-BOKM	<a href="#">LECTUS Select (black, with keypad)</a>
ARD-SELECT-BO	<a href="#">LECTUS Select (black)</a>
ARD-SELECT-BOM	<a href="#">LECTUS Select (black)</a>
ARD-SELECT-WOK	<a href="#">LECTUS Select (white, with keypad)</a>
ARD-SELECT-WOKM	<a href="#">LECTUS Select (white, with keypad)</a>
ARD-SELECT-WO	<a href="#">LECTUS Select (white)</a>
ARD-SELECT-WOM	<a href="#">LECTUS Select (white)</a>
ARD-ESELCT-BOK	<a href="#">LECTUS Select E (black, with keypad)</a>
ARD-ESELCT-BO	<a href="#">LECTUS Select E (black)</a>
ARD-ESELCT-WOK	<a href="#">LECTUS Select E (white, with keypad)</a>
ARD-ESELCT-WO	<a href="#">LECTUS Select E (white)</a>
ARC1R31B103B101A	<a href="#">STid readers mullion (wiegand)</a>
ARCRC31A103B101A	<a href="#">STid readers standard (wiegand)</a>
ARCRC31B103B101A	<a href="#">STid readers standard, keypad (wiegand)</a>
ARC1W33BPH5B201A	<a href="#">STid readers mullion (OSDP)</a>
ARCW33APH5B201A	<a href="#">STid readers standard (OSDP)</a>
ARCW33BPH5B201A	<a href="#">STid readers standard, keypad (OSDP)</a>
ARM-BLUE-WI	<a href="#">LECTUS Blue</a>

## Biometric readers

293678615	<a href="#">Fingerprint reader, LED indicator</a>
293678628	<a href="#">Fingerprint card reader, iClass, LED indicator</a>
293673665	<a href="#">Fingerprint card reader, Prox, LED indicator</a>
293678636	<a href="#">Fingerprint card reader, Multi, LED indicator</a>
293673644	<a href="#">Fingerprint card reader, iClass, touchscreen</a>
293678678	<a href="#">Fingerprint card reader, Prox, touchscreen</a>
293678660	<a href="#">Fingerprint card reader, Multi, touchscreen</a>
293722319	<a href="#">Contactless 3D fingerprint card reader</a>
293777400	<a href="#">Contactless fingerprint reader, SP MD</a>
293744604	<a href="#">Facial recognition card reader</a>
293793826	<a href="#">Facial recognition reader, SP MDI</a>
ARD-FPBEW2-H3	<a href="#">Fingerprint card reader Multiclass</a>

## Request-to-Exit

DS160 (white)	<a href="#">Request-to-exit sensor, sounder (White)</a>
DS161 (black)	<a href="#">Request-to-exit sensor, sounder (Black)</a>

## Card container

ACX-JOJCON01	<a href="#">Card container with yoyo</a>
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## HIDprox credentials

ACD-ISO CARD	<a href="#">HIDprox card</a>
ACD-PROXCARDII	<a href="#">HIDprox clamshell card</a>

## EM Credentials

ACD-ATR11ISO	<a href="#">EM card</a>
ACD-ATR14CS	<a href="#">EM clamshell card</a>
ACA-ATR13	<a href="#">EM RFID tag</a>

## iCLASS Credentials

ACD-ICL256-2AR	<a href="#">iCLASS card ACD-ICL256-2AR</a>
ACD-ICL2K-2AR	<a href="#">iCLASS card ACD-ICL2K-2AR</a>
ACD-ICL2K-16AR	<a href="#">iCLASS card ACD-ICL2K-16AR</a>
ACT-ICL256-2AR	<a href="#">iCLASS keyfob</a>
ACA-ICL256-2AR	<a href="#">iCLASS adhesive tag</a>

## MIFARE Credentials

ACD-MFC-ISO	<a href="#">MIFARE classic card</a>
ACT-MFCTRF-SA1	<a href="#">MIFARE classic keyfob</a>
ACD-EV1-ISO	<a href="#">MIFARE EV1 card</a>
ACT-EV1TRF-SA1	<a href="#">MIFARE EV1 keyfob</a>
ACD-EV3-ISO	<a href="#">MIFARE EV3 card</a>
ACT-EV3TRF-SA1	<a href="#">MIFARE EV3 keyfob</a>

## Seos Credentials

ACD-SEO8K26-50	<a href="#">Seos card (26 bit)</a>
ACD-SEO8K37-50	<a href="#">Seos card (37 bit)</a>
ACT-SEO8K26-10	<a href="#">Seos keyfob (26 bit)</a>
ACT-SEO8K37-10	<a href="#">Seos keyfob (37 bit)</a>

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