

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.

[Software](#)[Controllers](#)[Extension units](#)[Accessories](#)[Readers](#)[Credentials](#)

Software

Access Management System

Visitor management

**Integrated solutions
from partners**



Software

Controllers

Extension units

Accessories

Readers

Credentials

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

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



Smart Card Readers
iCLASS/MIFARE



Smart Card Readers
MIFARE



Smart Card Readers
MIFARE/LEGIC



Request-to-exit Detectors

Integrated solutions from partners

Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security



Software

Controllers

Extension units

Accessories

Readers

Credentials

Biometric readers

[BACK TO READERS](#)



Fingerprint card reader
LED indicator



Fingerprint card reader
touchscreen



Contactless 3D fingerprint card reader



Facial recognition card reader



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

Credentials | Others



EM
adhesive tag



iCLASS
keyfob



iCLASS
adhesive tag



MIFARE classic
keyfob



**MIFARE
DESFire EV1**
keyfob

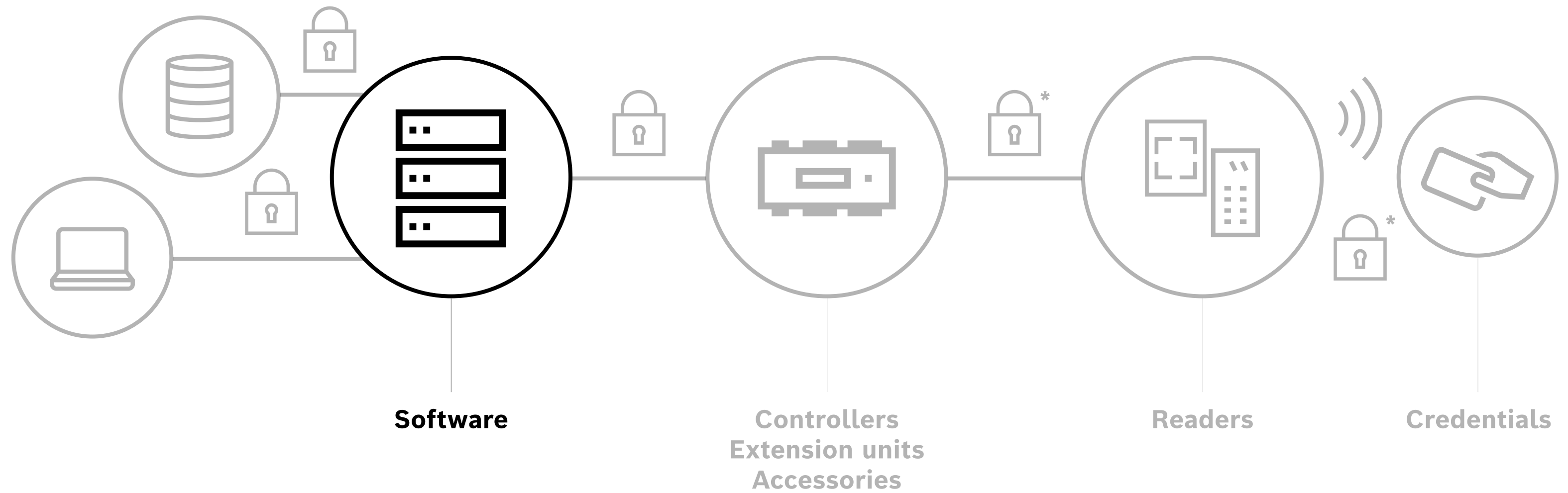


Security Level
Credential technology

Low security

Moderate security

High security



* Dependent on technology



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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	Plus	Pro
16 doors (upgradable to max. 144) 1000 cards (max 200.000) 1 workstation (max. 2) 1 MAC (max. 1) 1 division (max. 200) B&G panel license (max. 50 panels) API	32 doors (max. 512) 2000 cards (max 300.000) 1 workstation (max. 5) 3 MAC (max. 10) 1 division (max. 300) B&G panel license (max. 200 panels) API	32 doors (max. 10.000) 5000 cards (max 400.000) 1 workstation (max. 40) 5 MAC (max. 40) 1 division (max. 400) B&G panel license (max. 500 panels) API

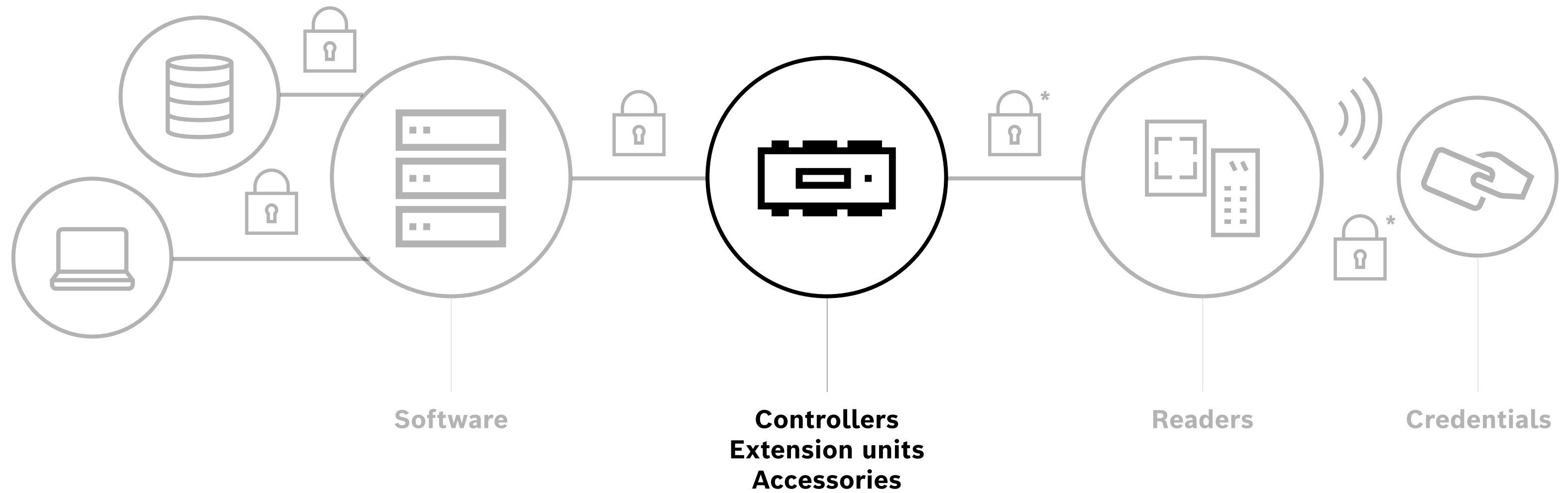
[MORE INFORMATION](#)[PRODUCT CATALOG PAGE](#)[PREVIOUS](#)[NEXT](#)

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**



* Dependent on technology



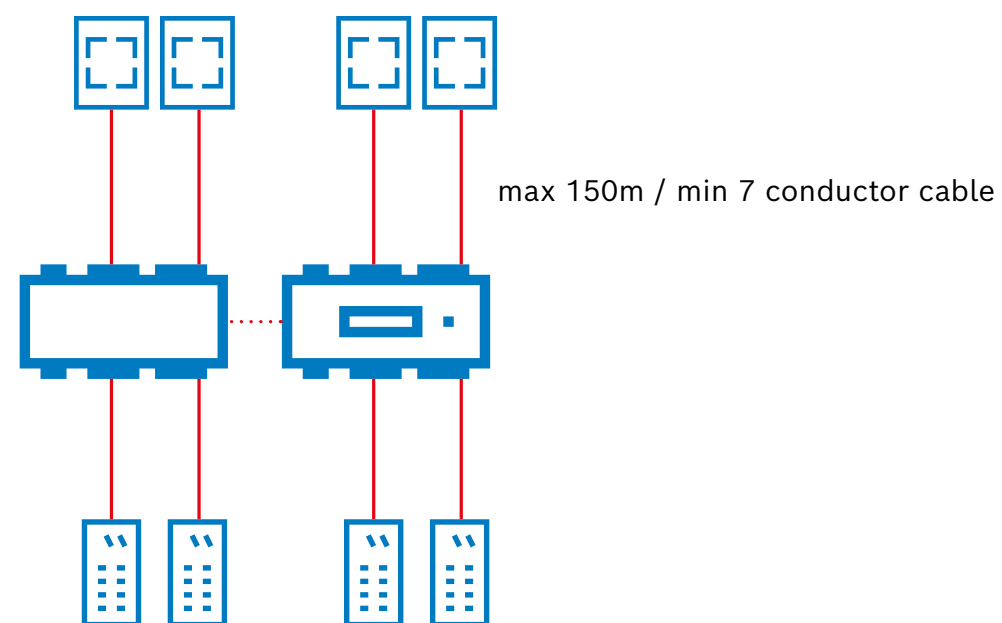
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Controllers choice

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

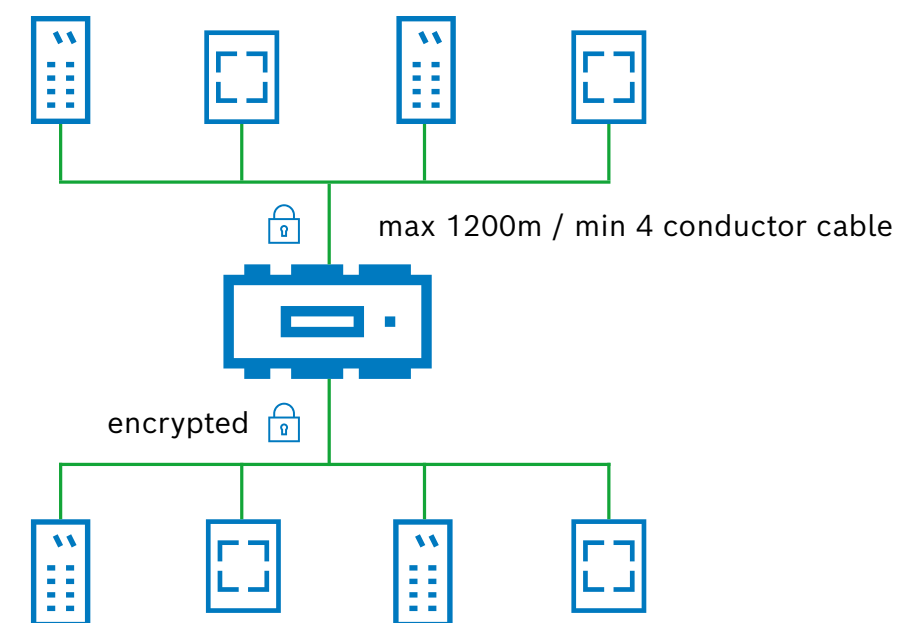
Wiegand interface



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

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

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.



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

Security Level
Supported Reader technology

Low security

Moderate security

High security

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

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.



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



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



I extension board
with 16-input

Security Level
Supported Reader technology

Low security

Moderate security

High security

Accessories

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



**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



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Accessories

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



**Enclosure
with 1 DIN rail**



**Enclosure
with 2 DIN rails**



**Enclosure with power
supply & DIN rail**



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

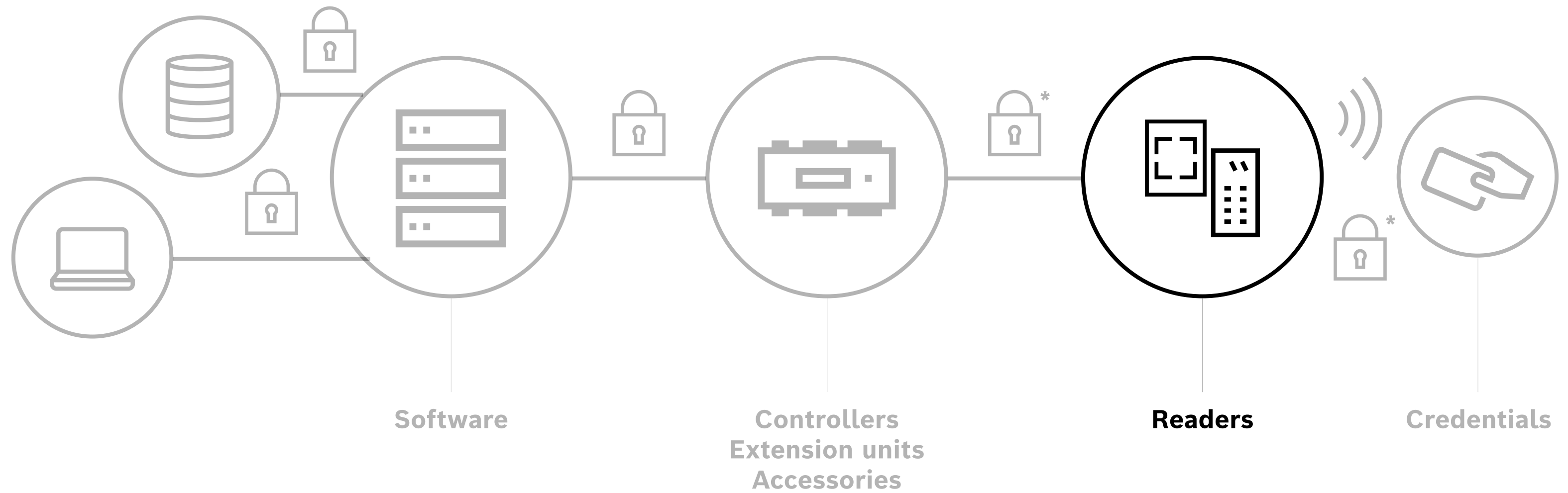


Power Supply Unit



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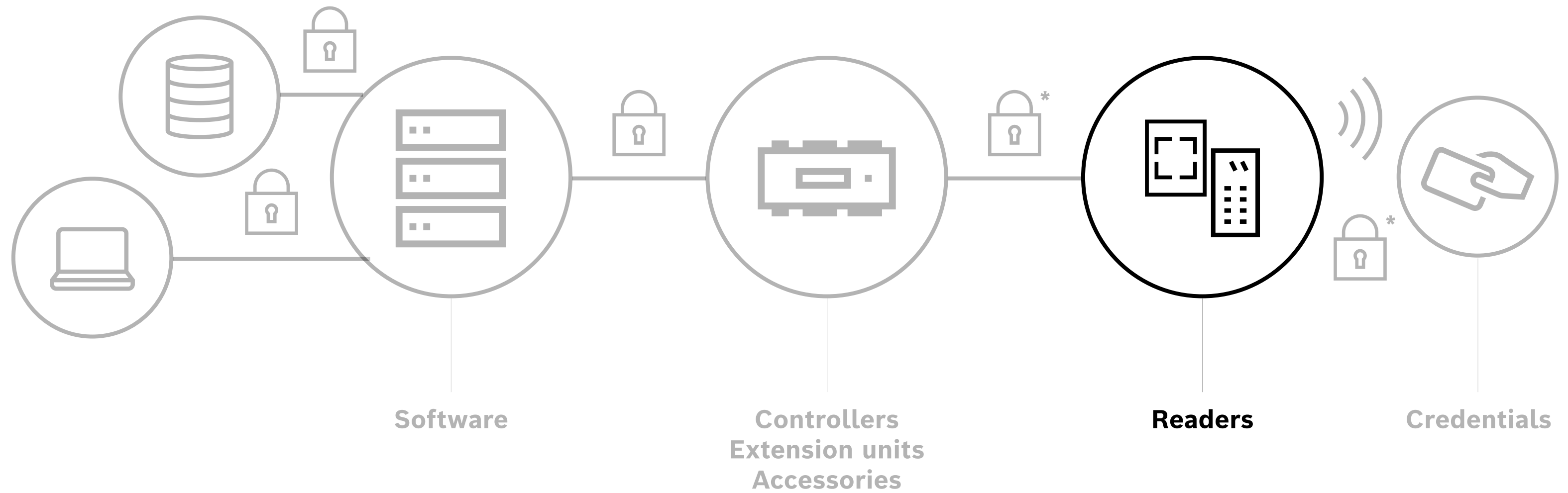


* Dependent on technology



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 Reader
HIDprox



Card Readers
EM



Smart Card Readers
iCLASS



Smart Card Readers
MIFARE

Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

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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
iCLASS/MIFARE





Smart Card Readers
MIFARE





Smart Card Readers
MIFARE/LEGIC



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





Facial recognition card reader





Fingerprint card reader



Security Level
Supported Credential technology

Low security

Moderate security

High security

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](#)

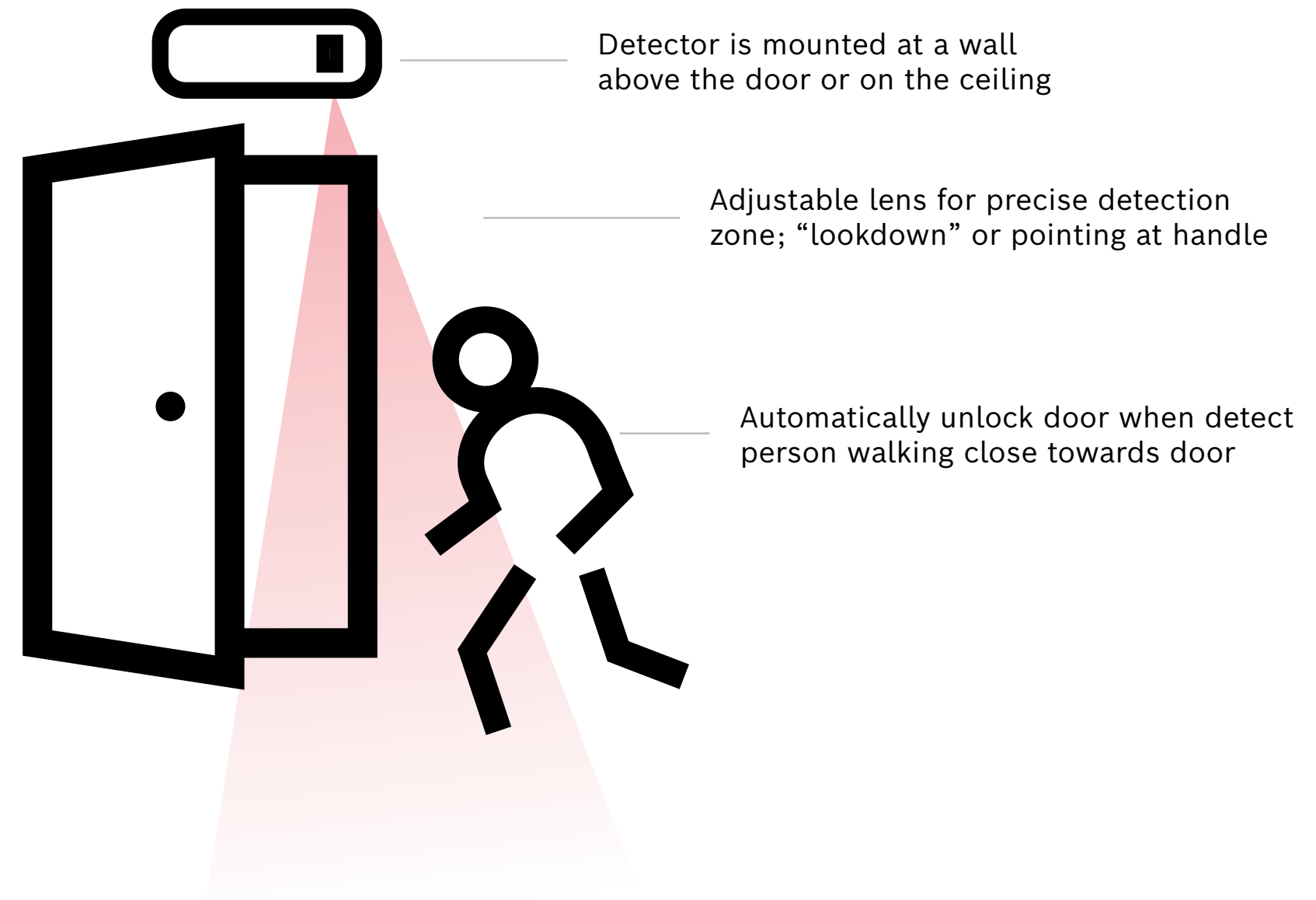


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Request-to-exit

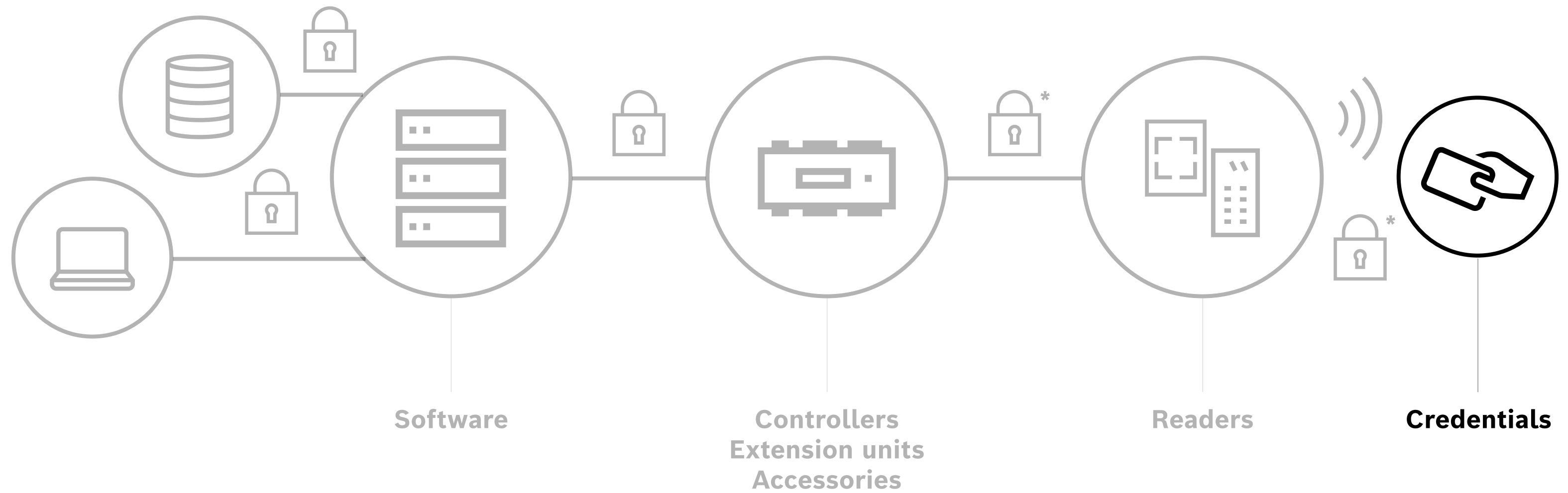
Would you like to use request-to-exit detectors?



PREVIOUS

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* Dependent on technology



PREVIOUS

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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



EM
credentials



iCLASS
credentials



MIFARE
credentials

Security Level

Credential technology

- Low security
- Moderate security
- High security

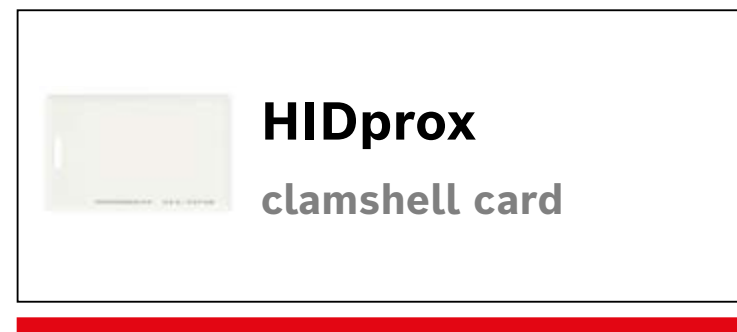
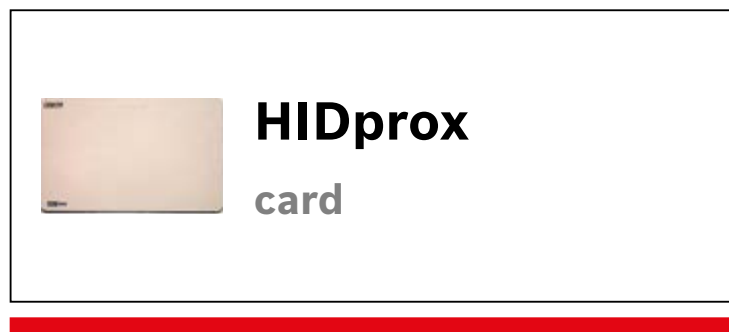


PREVIOUS

NEXT

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:



EM
card



EM
clamshell card



EM
adhesive tag

Security Level
Credential technology

■

 Low security

■

 Moderate security

■

 High security

iCLASS credentials

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



iCLASS
card



iCLASS
keyfob



iCLASS
adhesive tag

- 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



MIFARE classic
keyfob



MIFARE DESFire EV1
card





MIFARE DESFire EV1
keyfob



Security Level
Credential technology

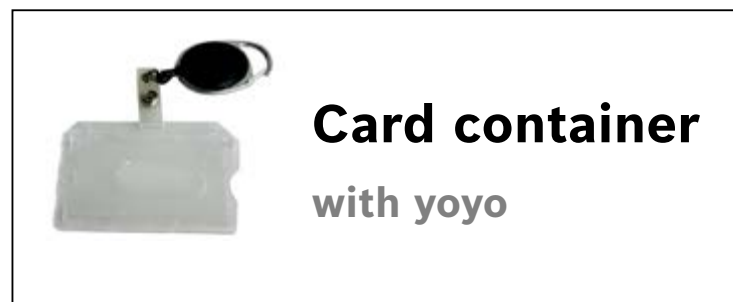
Low security

Moderate security

High security

Card container

Would you like to use a card container?



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[CLOSE](#)

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	Plus	Pro
16 doors (upgradable to max. 144)	32 doors (max. 512)	32 doors (max. 10.000)
1000 cards (max 200.000)	2000 cards (max 300.000)	5000 cards (max 400.000)
1 workstation (max. 2)	1 workstation (max. 5)	1 workstation (max. 40)
1 MAC (max. 1)	3 MAC (max. 10)	5 MAC (max. 40)
1 division (max. 200)	1 division (max. 300)	1 division (max. 400)
B&G panel license (max. 50 panels)	B&G panel license (max. 200 panels)	B&G panel license (max. 500 panels)
API	API	API

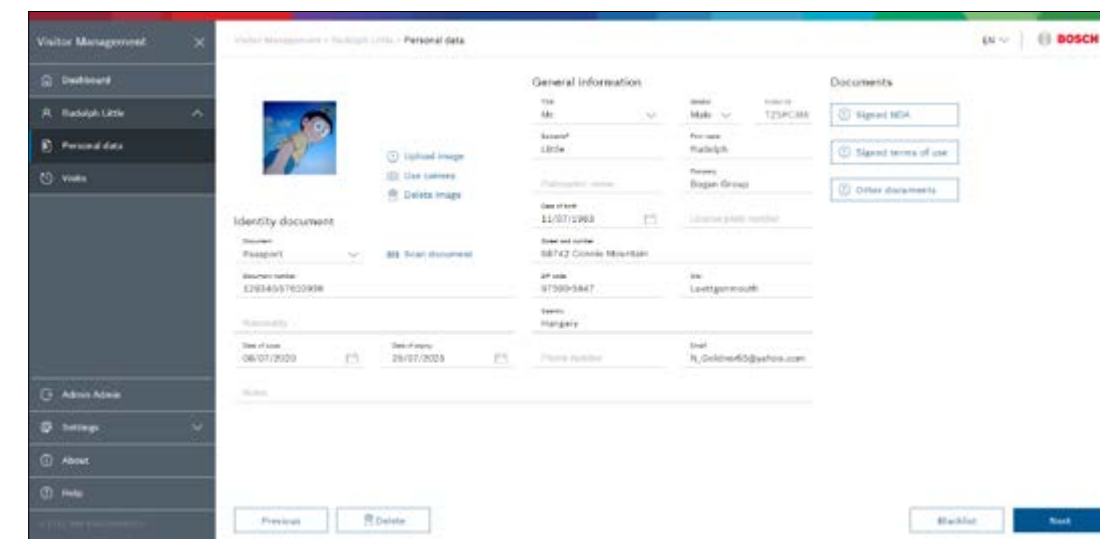
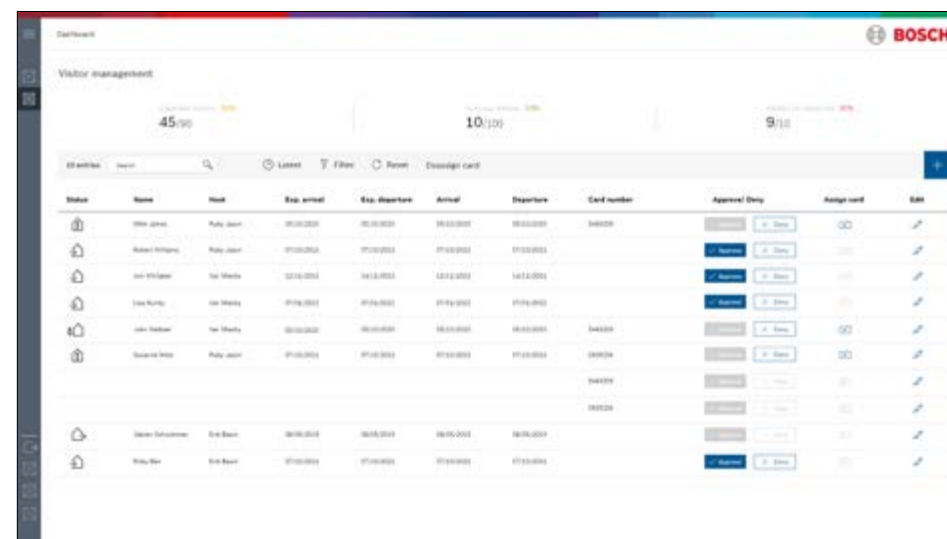
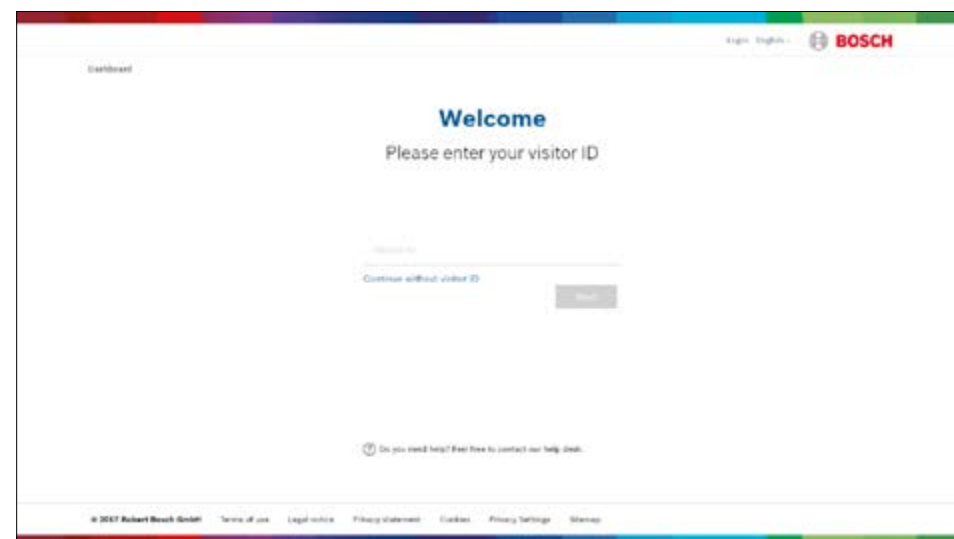
[MORE INFORMATION](#)[PRODUCT CATALOG PAGE](#)



Visitor Management

[CLOSE](#)

Bosch Visitor Management, our browser-based visitor management software, offers you all the benefits for enhancing the visiting process. Effective visitor management must go beyond meeting and greeting visitors who enter the reception area of any business or public building. It must enhance building security, protect facilities and employees, and improve users' and visitors' overall experience. Bosch's easy-to-use, browser-based visitor management software integrates seamlessly with the Access Management System.

[PRODUCT CATALOG PAGE](#)[MORE INFORMATION](#)

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](#)





Door controller Wiegand 2 readers

APC-AMC2-2WCF

CLOSE



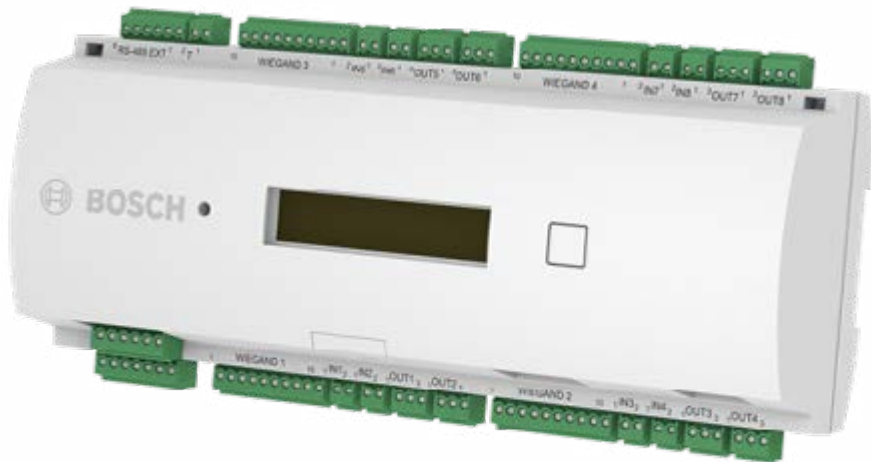
Connectable readers	2
Inputs / Outputs	4/4
Cardholders	400.000
Reader cable length (max.)	110m per port
Reader monitoring	No
Wires per reader (min.)	6 + shield
Connectable reader extensions	1
Connectable I/O extensions	3
Mounting	Standard DIN-rail
Reader protocol support	Wiegand
Standards	CE, UL

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 × 411 × 88 (12.7 × 16.2 × 3.5 in.)



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 × 411 × 88 mm (21.3 × 16.2 × 3.5 in.)



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 × 400 × 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 name	Card Reader, HIDprox, mullion	
Commercial type number (CTN)	ARD-MINIPROX	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HIDprox	
Environment class	IP55	
Maximum reading distance	13 cm (5.12 in.)	
Dimensions (H x W x D)	152 x 43 x 25,4 mm (5.98 x 1.69 x 1 in.)	

PRODUCT CATALOG PAGE

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 name	Card Reader, EM, mini mullion	
Commercial type number (CTN)	ARD-PROX-PPL	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HIDprox	
Environment class	IP55	
Maximum reading distance	6 cm (2.36 in.)	
Dimensions (H x W x D)	79,6 x 44 x 17 mm (3.13 x 1.73 x 0.67 in.)	

PRODUCT CATALOG PAGE

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 name	Standalone device, HIDprox	
Commercial type number (CTN)	ARD-ENTRYPROX	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	HIDprox	
Environment class	IP55	
Maximum reading distance	6 cm (2.36 in.)	
Dimensions (H x W x D)	133 x 70 x 35 mm (5.23 x 2.76 x 1.38 in.)	

PRODUCT CATALOG PAGE

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 name	Card Reader, HIDprox, mullion	
Commercial type number (CTN)	ARD-MINIPROX	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HIDprox	
Environment class	IP55	
Maximum reading distance	13 cm (5.12 in.)	
Dimensions (H x W x D)	152 x 43 x 25,4 mm (5.98 x 1.69 x 1 in.)	

PRODUCT CATALOG PAGE

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 name	Card Reader, EM, mini mullion	
Commercial type number (CTN)	ARD-PROX-PPL	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HIDprox	
Environment class	IP55	
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PRODUCT CATALOG PAGE

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 name	Standalone device, HIDprox	
Commercial type number (CTN)	ARD-ENTRYPROX	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	HIDprox	
Environment class	IP55	
Maximum reading distance	6 cm (2.36 in.)	
Dimensions (H x W x D)	133 x 70 x 35 mm (5.23 x 2.76 x 1.38 in.)	

PRODUCT CATALOG PAGE

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 name	Card Reader, EM, mini mullion	
Commercial type number (CTN)	ARD-AYK12	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	EM4102	
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.)	

PRODUCT CATALOG PAGE



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 1000 WI	  
Commercial type number (CTN)	ARD-SER10-WI	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount (optional mount panel)	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	7,6 cm (2.99 in.)	
Dimensions (H x W x D)	103 x 48 x 23 mm (4.05 x 1.89 x 0.9 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

LECTUS Secure
5000 WI

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 4000 WI	  
Commercial type number (CTN)	ARD-SER40-WI	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	11,4 cm (4.49 in.)	
Dimensions (H x W x D)	122 x 84 x 24 mm (4.8 x 3.3 x 0.94 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

LECTUS Secure
5000 WI

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 5000 WI	  
Commercial type number (CTN)	ARD-SERK40-W1	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	14 cm (5.51 in.)	
Dimensions (H x W x D)	122 x 85 x 28 mm (4.8 x 3.34 x 1.1 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

**LECTUS Secure
5000 WI**

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 9000 WI	  
Commercial type number (CTN)	ARD-SER90-WI	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP65	
Maximum reading distance	33,6 cm (13.23 in.)	
Dimensions (H x W x D)	333 x 333 x 39 mm (13.11 x 13.11 x 1.53 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

LECTUS Secure
5000 WI

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 1000 WI	  
Commercial type number (CTN)	ARD-SER10-WI	
Supported protocol	Wiegand	
Panel connection	Pigtail	
Mounting	Surface mount (optional mount panel)	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	7,6 cm (2.99 in.)	
Dimensions (H x W x D)	103 x 48 x 23 mm (4.05 x 1.89 x 0.9 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

LECTUS Secure
5000 WI

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 4000 WI	  
Commercial type number (CTN)	ARD-SER40-WI	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	11,4 cm (4.49 in.)	
Dimensions (H x W x D)	122 x 84 x 24 mm (4.8 x 3.3 x 0.94 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

LECTUS Secure
5000 WI

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 5000 WI	  
Commercial type number (CTN)	ARD-SERK40-W1	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	14 cm (5.51 in.)	
Dimensions (H x W x D)	122 x 85 x 28 mm (4.8 x 3.34 x 1.1 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

**LECTUS Secure
5000 WI**

LECTUS Secure
9000 WI



Smart Card Readers iCLASS

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 9000 WI	  
Commercial type number (CTN)	ARD-SER90-WI	
Supported protocol	Wiegand	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic (CSN), MIFARE DESFire (CSN), iCLASS, iCLASS SE, Seos	
Environment class	IP65	
Maximum reading distance	33,6 cm (13.23 in.)	
Dimensions (H x W x D)	333 x 333 x 39 mm (13.11 x 13.11 x 1.53 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 WI

LECTUS Secure
4000 WI

LECTUS Secure
5000 WI

LECTUS Secure
9000 WI



Smart Card Readers MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS duo 3000 C	 
Commercial type number (CTN)	ARD-AYBS6260	
Supported protocol	Wiegand, OSDPv1	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic	
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 name	LECTUS duo 3000 CK	 
Commercial type number (CTN)	ARD-AYBS6360	
Supported protocol	Wiegand, OSDPv1	
Key pad	Yes	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic	
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 name	LECTUS duo 3000 E	  
Commercial type number (CTN)	ARD-AYBS6280	
Supported protocol	Wiegand, OSDPv1	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1	
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 name	LECTUS duo 3000 EK 
Commercial type number (CTN)	ARD-AYBS6380
Supported protocol	Wiegand, OSDPv1
Key pad	Yes
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1
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 name	LECTUS duo 3000 C	 
Commercial type number (CTN)	ARD-AYBS6260	
Supported protocol	Wiegand, OSDPv1	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic	
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 name	LECTUS duo 3000 CK	 
Commercial type number (CTN)	ARD-AYBS6360	
Supported protocol	Wiegand, OSDPv1	
Key pad	Yes	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic	
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 name	LECTUS duo 3000 E	  
Commercial type number (CTN)	ARD-AYBS6280	
Supported protocol	Wiegand, OSDPv1	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1	
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 name	LECTUS duo 3000 EK 
Commercial type number (CTN)	ARD-AYBS6380
Supported protocol	Wiegand, OSDPv1
Key pad	Yes
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1
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 name	LECTUS duo 3000 C	 
Commercial type number (CTN)	ARD-AYBS6260	
Supported protocol	Wiegand, OSDPv1	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic	
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 name	LECTUS duo 3000 CK	 
Commercial type number (CTN)	ARD-AYBS6360	
Supported protocol	Wiegand, OSDPv1	
Key pad	Yes	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic	
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 name	LECTUS duo 3000 E	  
Commercial type number (CTN)	ARD-AYBS6280	
Supported protocol	Wiegand, OSDPv1	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1	
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 name	LECTUS duo 3000 EK 
Commercial type number (CTN)	ARD-AYBS6380
Supported protocol	Wiegand, OSDPv1
Key pad	Yes
Panel connection	Terminal strip
Mounting	Surface mount
Supported Credential technology	ISO14443A CSN, MIFARE Classic, MIFARE DESFire EV1
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 iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 1000 RO	 
Commercial type number (CTN)	ARD-SER10-RO	
Supported protocol	OSDPv2 SC	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount (optional mount panel)	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	7,6 cm (2.99 in.)	
Dimensions (H x W x D)	103 x 48 x 23 mm (4.05 x 1.89 x 0.9 in.)	

PRODUCT CATALOG PAGE

- LECTUS Secure
1000 RO
- LECTUS Secure
2000 RO
- LECTUS Secure
4000 RO
- LECTUS Secure
5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 2000 RO	 
Commercial type number (CTN)	ARD-SER15-RO	
Supported protocol	OSDPv2 SC	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	7,6 cm (2.99 in.)	
Dimensions (H x W x D)	153 x 48 x 23 mm (6.02 x 1.89 x 0.9 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 RO

LECTUS Secure
2000 RO

LECTUS Secure
4000 RO

LECTUS Secure
5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 4000 RO	 
Commercial type number (CTN)	ARD-SER40-RO	
Supported protocol	OSDPv2 SC	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	13 cm (5.12 in.)	
Dimensions (H x W x D)	122 x 85 x 24 mm (4.8 x 3.34 x 0.94 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 RO

LECTUS Secure
2000 RO

**LECTUS Secure
4000 RO**

LECTUS Secure
5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 5000 RO	 
Commercial type number (CTN)	ARD-SERK40-RO	
Supported protocol	OSDPv2 SC	
Key pad	Yes	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	13 cm (5.12 in.)	
Dimensions (H x W x D)	122 x 85 x 28 mm (4.8 x 3.34 x 1.1 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 RO

LECTUS Secure
2000 RO

LECTUS Secure
4000 RO

LECTUS Secure
5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 1000 RO	 
Commercial type number (CTN)	ARD-SER10-RO	
Supported protocol	OSDPv2 SC	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount (optional mount panel)	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	7,6 cm (2.99 in.)	
Dimensions (H x W x D)	103 x 48 x 23 mm (4.05 x 1.89 x 0.9 in.)	

PRODUCT CATALOG PAGE

- LECTUS Secure 1000 RO
- LECTUS Secure 2000 RO
- LECTUS Secure 4000 RO
- LECTUS Secure 5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 2000 RO	 
Commercial type number (CTN)	ARD-SER15-RO	
Supported protocol	OSDPv2 SC	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	7,6 cm (2.99 in.)	
Dimensions (H x W x D)	153 x 48 x 23 mm (6.02 x 1.89 x 0.9 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 RO

LECTUS Secure
2000 RO

LECTUS Secure
4000 RO

LECTUS Secure
5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 4000 RO	 
Commercial type number (CTN)	ARD-SER40-RO	
Supported protocol	OSDPv2 SC	
Key pad	No	
Panel connection	Terminal strip	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	13 cm (5.12 in.)	
Dimensions (H x W x D)	122 x 85 x 24 mm (4.8 x 3.34 x 0.94 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 RO

LECTUS Secure
2000 RO

**LECTUS Secure
4000 RO**

LECTUS Secure
5000 RO



Smart Card Readers iCLASS/MIFARE

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	LECTUS secure 5000 RO	 
Commercial type number (CTN)	ARD-SERK40-RO	
Supported protocol	OSDPv2 SC	
Key pad	Yes	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	MIFARE Classic, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
Environment class	IP55 (IP65 with gasket)	
Maximum reading distance	13 cm (5.12 in.)	
Dimensions (H x W x D)	122 x 85 x 28 mm (4.8 x 3.34 x 1.1 in.)	

PRODUCT CATALOG PAGE

LECTUS Secure
1000 RO

LECTUS Secure
2000 RO

LECTUS Secure
4000 RO

LECTUS Secure
5000 RO



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) 
Commercial type number (CTN)	ARD-SELECT-BOK*
Supported protocol	OSDPv2 SC
Key pad	Yes
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

LECTUS Select
(black, with keypad)

LECTUS Select
(black)

LECTUS Select
(white, with keypad)

LECTUS Select
(white)



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) 
Commercial type number (CTN)	ARD-SELECT-BO*
Supported protocol	OSDPv2 SC
Key pad	No
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

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



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) 
Commercial type number (CTN)	ARD-SELECT-WOK*
Supported protocol	OSDPv2 SC
Key pad	Yes
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

LECTUS Select
(black, with keypad)

LECTUS Select
(black)

LECTUS Select
(white, with keypad)

LECTUS Select
(white)



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) 
Commercial type number (CTN)	ARD-SELECT-WO*
Supported protocol	OSDPv2 SC
Key pad	No
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

LECTUS Select
(black, with keypad)

LECTUS Select
(black)

LECTUS Select
(white, with keypad)

LECTUS Select
(white)



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) 
Commercial type number (CTN)	ARD-SELECT-BOK*
Supported protocol	OSDPv2 SC
Key pad	Yes
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

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



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) 
Commercial type number (CTN)	ARD-SELECT-BO*
Supported protocol	OSDPv2 SC
Key pad	No
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

LECTUS Select
(black, with keypad)

LECTUS Select
(black)

LECTUS Select
(white, with keypad)

LECTUS Select
(white)



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) 
Commercial type number (CTN)	ARD-SELECT-WOK*
Supported protocol	OSDPv2 SC
Key pad	Yes
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

LECTUS Select
(black, with keypad)

LECTUS Select
(black)

LECTUS Select
(white, with keypad)

LECTUS Select
(white)



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) 
Commercial type number (CTN)	ARD-SELECT-WO*
Supported protocol	OSDPv2 SC
Key pad	No
Panel connection	Terminal strip
Mounting	Flush mount / Surface mount (optional mount panel)
Supported Credential technology	MIFARE DESFire EV1 & EV2, LEGIC advant
Environment class	IP54
Maximum reading distance	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.)

PRODUCT CATALOG PAGE

LECTUS Select
(black, with keypad)

LECTUS Select
(black)

LECTUS Select
(white, with keypad)

LECTUS Select
(white)



Fingerprint reader, LED indicator

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	IDEMIA SIGMA Lite
Commercial type number (CTN)	293678615
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	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



Security Level

[Supported Credential technology](#)

-  Low security
-  Moderate security
-  High security

Product name	IDEMIA SIGMA Lite	 
Commercial type number (CTN)	293678628	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	No	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID iCLASS , iClass SE , Seos	
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, HID Prox, LED indicator

CLOSE



Security Level

[Supported Credential technology](#)

- Low security
- Moderate security
- High security

Product name	IDEMIA SIGMA Lite ■
Commercial type number (CTN)	293673665
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HID Prox
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,
HID Prox, LED indicator**

Fingerprint card reader,
Multi, LED indicator



Fingerprint card reader, Multi, LED indicator

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

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

* 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

Product name	IDEMIA SIGMA Lite+ 
Commercial type number (CTN)	293673644
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	HID iCLASS, iClass SE, Seos
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

Product name	IDEMIA SIGMA Lite+ 
Commercial type number (CTN)	293678678
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	HID Prox
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

Product name	IDEMIA SIGMA Lite+  
Commercial type number (CTN)	293678660
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	MIFARE Classic, MIFARE DESFire EV1*
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

Product name	IDEMIA MorphoWave Compact 
Commercial type number (CTN)	293722319
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount or pedestal mount (optional)
<u>Supported Credential technology</u>	HID Prox , HID iCLASS , iClass SE , Seos , MIFARE DESFire EV1*
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

Product name	IDEMIA VisionPass
Commercial type number (CTN)	293744604
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	HID Prox , HID iCLASS , iClass SE , Seos , MIFARE DESFire EV1*
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	
<u>Supported Credential technology</u>	EM, HIDprox, MIFARE Classic, HID-Corporate-1000, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos	
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

Product name	IDEMIA SIGMA Lite
Commercial type number (CTN)	293678615
Supported protocol	Wiegand, OSDPv2 SC
Key pad	No
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	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



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	IDEMIA SIGMA Lite	 
Commercial type number (CTN)	293678628	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	No	
Panel connection	Pigtail	
Mounting	Surface mount	
<u>Supported Credential technology</u>	HID iCLASS , iClass SE , Seos	
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, HID Prox, LED indicator

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

Product name	IDEMIA SIGMA Lite	
Commercial type number (CTN)	293673665	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	No	
Panel connection	Pigtail	
Mounting	Surface mount	
<u>Supported Credential technology</u>	HID Prox	
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,
HID Prox, LED indicator**

Fingerprint card reader,
Multi, LED indicator



Fingerprint card reader, Multi, LED indicator

CLOSE



Security Level

Supported Credential technology

-  Low security
-  Moderate security
-  High security

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

* 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

Product name	IDEMIA SIGMA Lite+ 
Commercial type number (CTN)	293673644
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	HID iCLASS, iClass SE, Seos
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

Product name	IDEMIA SIGMA Lite+ 
Commercial type number (CTN)	293678678
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	HID Prox
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

Product name	IDEMIA SIGMA Lite+ 
Commercial type number (CTN)	293678660
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	MIFARE Classic, MIFARE DESFire EV1*
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

Product name	IDEMIA MorphoWave Compact 
Commercial type number (CTN)	293722319
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount or pedestal mount (optional)
<u>Supported Credential technology</u>	HID Prox , HID iCLASS , iClass SE , Seos , MIFARE DESFire EV1*
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

Product name	IDEMIA VisionPass
Commercial type number (CTN)	293744604
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
<u>Supported Credential technology</u>	HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1*
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

EM, HIDprox, MIFARE Classic, HID-Corporate-1000, iCLASS, MIFARE DESFire EV1, iCLASS SE, Seos

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



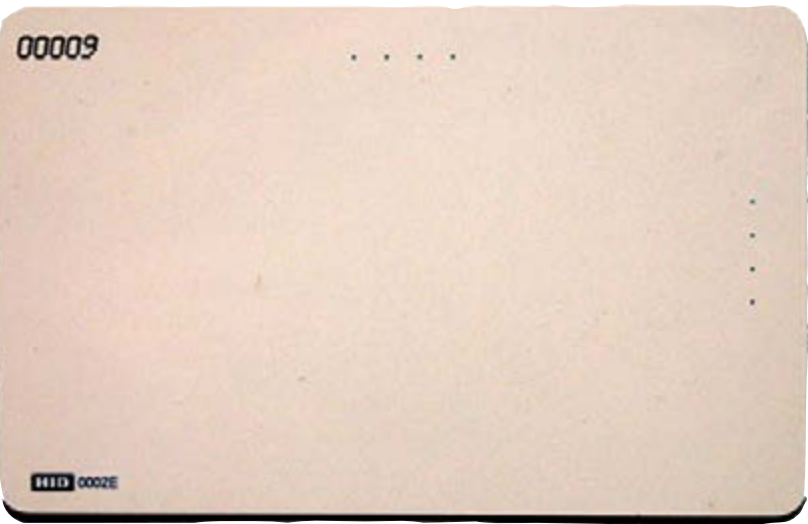
CLOSE

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.)



HIDprox card

ACD-ISO CARD



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

Credential technology	HIDprox
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	no
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



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

[PRODUCT CATALOG PAGE](#)

CLOSE

Credential technology	HIDprox
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	yes
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

PRODUCT CATALOG PAGE

CLOSE

Credential technology	EM4102	
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	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	25 pieces	



EM clamshell card

ACD-ATR14CS



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

Credential technology	EM4102	
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	yes	
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	



EM adhesive tag

ACA-ATR13



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

Credential technology	EM4102	
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	



iCLASS card

CLOSE



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

Commercial type number (CTN)	ACD-ICL256-2AR	
Credential technology	iCLASS	
Memory / application area	256 B / 2 AR	
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

Commercial type number (CTN)	ACD-ICL2K-2AR	
Credential technology	iCLASS	
Memory / application area	2 kB / 2 AR	
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

Commercial type number (CTN)	ACD-ICL2K-16AR	
Credential technology	iCLASS	
Memory / application area	2 kB / 16 AR	
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

Commercial type number (CTN)	ACD-ICL256-2AR	
Credential technology	iCLASS	
Memory / application area	256 B / 2 AR	
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

Commercial type number (CTN)	ACD-ICL2K-2AR	
Credential technology	iCLASS	
Memory / application area	2 kB / 2 AR	
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

Commercial type number (CTN)	ACD-ICL2K-16AR	
Credential technology	iCLASS	
Memory / application area	2 kB / 16 AR	
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*



* Check regional availability!

Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

Credential technology	iCLASS 
Memory / application area	256 B / 2 AR
Card definition	26 bit
Transmission frequency	125 kHz
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*



* Check regional availability!

Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

[PRODUCT CATALOG PAGE](#)

CLOSE

Credential technology	iCLASS 
Memory / application areas	256 B / 2 AR
Card definition	26 bit
Transmission frequency	125 kHz
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



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

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 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



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

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



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

CLOSE

Credential technology	MIFARE DESFire EV1 
Memory / application areas	8 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 EV1 keyfob

ACT-EV1TRF-SA1



Security Level

Credential technology

-  Low security
-  Moderate security
-  High security

PRODUCT CATALOG PAGE

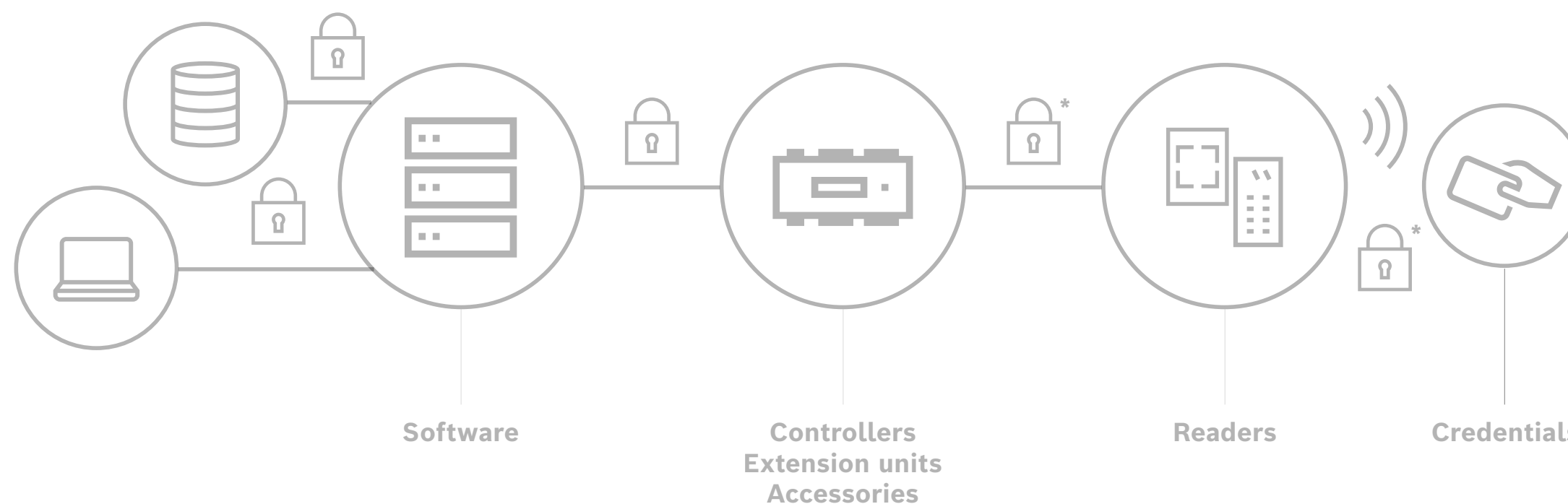
CLOSE

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Dimensions (H x W x D)	85,6 x 54 x 0,76 mm (3.37 x 2.13 x 0.03 in.)	
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You completed all the steps

You can use the **Wishlist**  to tag the products of your interest.

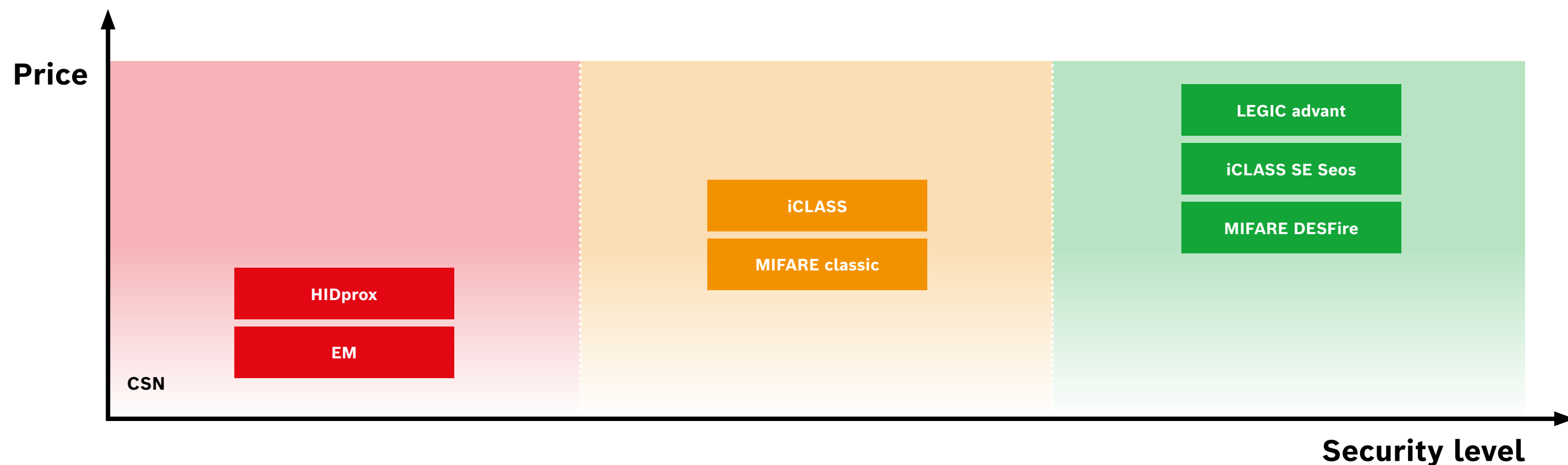
If you would like to contact us, please find the contact data of our local specialists on [our website](#).



PREVIOUS

GO TO WISHLIST

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) then 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

MIFARE Classic, iCLASS: 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, iCLASS SE, Seos, 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-BASE-LITE40	Access Management System Lite
AMS-BASE-PLUS40	Access Management System Plus
AMS-BASE-PRO40	Access Management System Professional
AMS-FVIS-WEBV40	Visitor Management

Controllers

APC-AMC2-2WCF	Door controller Wiegand 2 readers
APC-AMC2-4WCF	Door controller Wiegand 4-8 readers
APC-AMC2-4R4CF	Door controller RS-485 8 readers

Extension units

API-AMC2-8IOE	I/O extension board with 8-input & 8-output
API-AMC2-16IOE	I/O extension board with 16-input & 16-output
API-AMC2-16IE	I extension board with 16-input
API-AMC2-4WE	Wiegand extension board for 4 readers

Accessoires

AEC-AMC2-UL01	Enclosure with 1 DIN rail
AEC-AMC2-UL02	Enclosure with 2 DIN rails
AEC-AMC2-ENC3	Enclosure with power supply & DIN rail
AEC-PANEL19-UPS	Mounting plate for 2 DIN rails
AEC-PANEL19-4DR	Mounting plate for 4 DIN rails
APS-PSU-60	Power Supply Unit

Card readers

ARD-MINIPROX	HIDprox, EM, mullion
ARD-PROX-PPL	HIDprox, EM, mini mullion
ARD-ENTRYPROX	HIDprox, standalone device
ARD-AYK12	Card Reader, EM, mini mullion

Compatibility

 **Wiegand**  **RS485**  **Wiegand & RS485**

Smart card readers

ARD-SER10-WI	LECTUS secure 1000 WI
ARD-SER40-WI	LECTUS secure 4000 WI
RD-SERK40-W1	LECTUS secure 5000 WI
ARD-SER90-WI	LECTUS secure 9000 WI
ARD-AYBS6260	LECTUS duo 3000 C
ARD-AYBS6360	LECTUS duo 3000 CK
ARD-AYBS6280	LECTUS duo 3000 E
ARD-AYBS6380	LECTUS duo 3000 EK
ARD-SER10-RO	LECTUS secure 1000 RO
ARD-SER15-RO	LECTUS secure 2000 RO
ARD-SER40-RO	LECTUS secure 4000 RO
ARD-SERK40-RO	LECTUS secure 5000 RO
ARD-SELECT-BOK	LECTUS Select (black, with keypad)
ARD-SELECT-BO	LECTUS Select (black)
ARD-SELECT-WOK	LECTUS Select (white, with keypad)
ARD-SELECT-WO	LECTUS Select (white)

Biometric readers

293678615	Fingerprint reader, LED indicator
293678628	Fingerprint card reader, iClass, LED indicator
293673665	Fingerprint card reader, Prox, LED indicator
293678636	Fingerprint card reader, Multi, LED indicator
293673644	Fingerprint card reader, iClass, touchscreen
293678678	Fingerprint card reader, Prox, touchscreen
293678660	Fingerprint card reader, Multi, touchscreen
293722319	Contactless 3D fingerprint card reader
293744604	Facial recognition card reader
ARD-FPBEW2-H3	Fingerprint card reader Multiclass

Request-to-Exit

DS160 (white)	Request-to-exit sensor, sounder (White)
DS161 (black)	Request-to-exit sensor, sounder (Black)

Card container

ACX-JOJCON01	Card container with yoyo
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HIDprox credentials

ACD-ISO CARD	HIDprox card
ACD-PROXCARDII	HIDprox clamshell card

EM Credentials

ACD-ATR11ISO	EM card
ACD-ATR14CS	EM clamshell card
ACA-ATR13	EM adhesive tag

iCLASS Credentials

ACD-ICL256-2AR	iCLASS card ACD-ICL256-2AR
ACD-ICL2K-2AR	iCLASS card ACD-ICL2K-2AR
ACD-ICL2K-16AR	iCLASS card ACD-ICL2K-16AR
ACT-ICL256-2AR	iCLASS keyfob
ACA-ICL256-2AR	iCLASS adhesive tag

MIFARE Credentials

ACD-MFC-ISO	MIFARE classic card
ACT-MFCTRF-SA1	MIFARE classic keyfob
ACD-EV1-ISO	MIFARE EV1 card
ACT-EV1TRF-SA1	MIFARE EV1 keyfob



BACK