



Access Control

Products & Accessories Catalogue 2009–2010



Answers for infrastructure.

SIEMENS

Siemens: one brand, one partner – one system ...for all your security & fire safety requirements

○ Access Control
 ○ CCTV
 ○ Fire Safety
 ○ Intrusion Detection

Small applications in standalone operation – convenience store or petrol station shop



○ Access control products in this example:

SiPass® Entro Lite – is an ideal access control system for those who only have a few doors to control but want more coordination and overview than single-door products can provide

DC800 door controller

HD500 heavy-duty proximity reader

Codoor battery-powered codelock

K42 codelock



Medium-sized, networked applications – large supermarket with warehouse



○ Access control system in this example:

SiPass® Entro – a flexible, scalable and user-friendly access control system for small to medium-sized facilities that offers full support for SISTORE™ digital video recorders

PR500 mullion proximity reader

PP500 proximity reader with keypad

HF500 hands-free reader



Large and/or high-risk applications with LAN/WAN – commercial bank



○ Access control system in this example:

SiPass® integrated – a comprehensive access control solution designed to meet security requirements that range in complexity from medium to very high

Includes an extensive range of useful software extensions for applications such as HR, visitor management, etc.

Fully supports the integration of CCTV, intrusion detection and fire alarm systems

AR6181-MX Smart Card reader

AR6182-MX Smart Card reader with keypad



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How can petrol theft be reduced?

How can the station be protected against break-ins and robberies?



Using interoperable access control, intrusion detection and video surveillance systems.

Video surveillance continuously monitors and records all activities at the pumps, in the shop area and throughout the premises at all times. During out of hours the intrusion detection system protects the premises against break-ins, and during opening hours panic buttons link to an alarm receiving centre, in case of robberies, combined with visual verification via surveillance cameras ensures a fast response. The offices, storage, and sensitive areas are kept safe yet accessible to the right people at the right times with access control. Protecting people, processes and assets – you are secure with Siemens. www.siemens.com/petrolstationsecurity

Answers for infrastructure.

SIEMENS

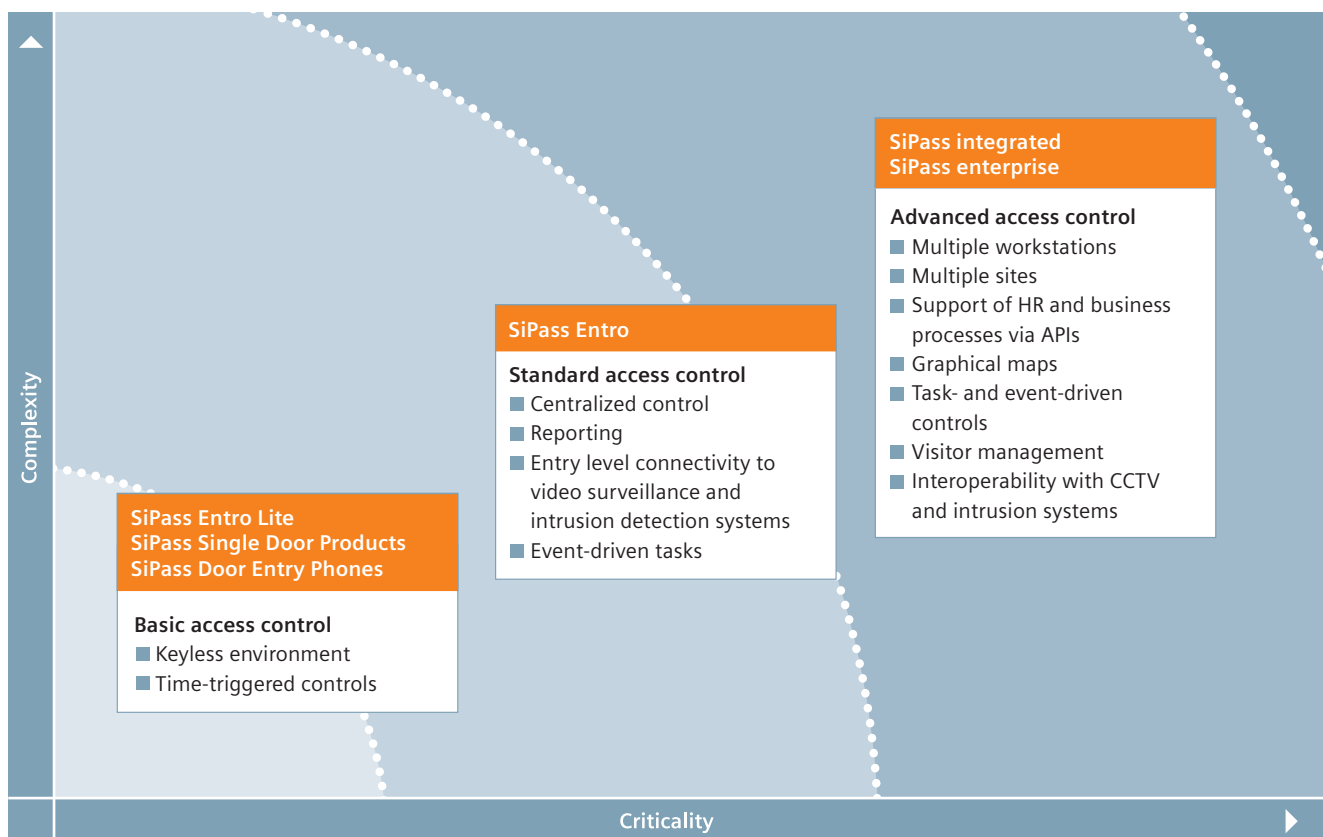
SiPass – the ideal choice for every application

SiPass® access control products and systems provide security to a wide variety of different kinds of organizations around the world – large, medium-sized and small. Wherever they are installed, our products and systems ensure that the right people always have access to the right places at the right times, and that the wrong people never do.

While security is of utmost importance, the SiPass range has also been designed to provide a high level of convenience. As a result, our products aren't only robust and reliable – they are also very easy to install, use and maintain. All of our systems are both flexible and scalable, which means it's easy to modify or expand them at any time to meet changing needs.

Whatever a customer's needs might be – from providing security at a single door to overcoming the security challenges faced by very large multinational corporations with thousands of doors and cardholders at different locations around the world – we are confident that the SiPass range offers an ideal product or system.

Product/system positioning in terms of the complexity and criticality of the application



Why is an access control system a better option than traditional locks and keys?

Aside from the problem of keys often getting lost and locks being expensive to replace, the major drawback of keys from a security perspective is that people who have the keys to a facility have unlimited access and their comings and goings cannot be tracked. An access control system, on the other hand, provides a building's owner-operator with the ability to restrict access to his facilities to certain times of the week or day and to certain areas of the building. There is no longer any need to issue keys to staff at all. Employees, contractors, delivery people, and so on, simply get an access card and/or a code that grants them access to the appropriate doors at the appropriate times of the day and makes movement traceable – who was where, when. When they lose their card or quit their job it is quick and easy to cancel their card and/or change any access codes, if necessary.

Which access control product or system is the right one to meet my specific needs?

Before you decide which product or system you should purchase, you need to have a very good understanding of what your requirements are. How many doors do you want to control? Do you want to be able to monitor events at all of these doors from a central point, or is it adequate that each of them operates independently? How many people will be using the product or system? Will a common code provide a high enough level of security, or would access cards and PIN codes be more appropriate? Do you have – or want to have – intrusion detection and video surveillance products installed at your site(s) as well? If so, what level of interoperability do you require between your access control, intrusion detection and video surveillance systems?

If you want any kind of central monitoring of events at different doors, you will want a small networked system at a minimum. Depending on your requirements, either SiPass Entro Lite or SiPass Entro would probably be the most appropriate choice. SiPass integrated, on the other hand, is the ideal choice for organizations that are very large and/or have special requirements such as the need for time and attendance export, HR application programming interface or Mifare encoding, for example. One of the major advantages of choosing a SiPass access control system is that we protect the investments of our customers by offering a high level of scalability. Scalability means that it is easy to upgrade from our lower-level products and systems to our higher-level ones without any hardware redundancy. For example, you can start with SiPass Single Door Products such as the BC615 compact card reader or the DC800 door controller and upgrade them into a SiPass Entro system later, if required. Or, you can start with a SiPass Entro system and upgrade it to SiPass integrated at some point in the future.

In order to help you select the most appropriate system to meet your current needs, the table on the following page presents our three main systems – SiPass Entro Lite, SiPass Entro and SiPass integrated – and compares the functionality they provide. Once you have chosen the right system, you will need to find the right readers and cards to meet your requirements. SiPass readers and cards are always the best choice for use with SiPass systems, as they are specifically tested and qualified for use with our systems. We also offer advanced interfaces between the reader and the system that provide increased functionality and enhanced security.

SiPass system comparison table

Attribute	Definition/Details	SiPass Entro Lite	SiPass Entro	SiPass integrated
BASICS				
Number of doors		up to 8	up to 512	virtually unlimited
Number of cardholders		up to 1,000	up to 40,000	virtually unlimited
Number of time schedules		up to 10	up to 240	up to 65,000
Event log	Record of valid entries, forced-entry attempts, communication disturbances, etc.	Yes	Yes	Yes
Integrated calendar clock	Provides ability to program different access settings for different times of the day or week	Yes	Yes	Yes
Personalized access rights	Set up access authorizations by zone and by person	Yes	Yes	Advanced
Anti-passback functionality	Monitoring and control of both entries and exits via connected doors	Yes, local	Yes	Yes
CARD TECHNOLOGIES				
Standard reading technologies supported	Compatible with most readers on the market (Clock&Data, Wiegand), which makes it possible to reuse existing ID cards on site	Yes	Yes	Yes
Cotag reading technology	Cotag technology with non-duplicable identifier (passive and active cards/tags available)	Yes	Yes	Yes
Mifare reading technology	Multi-application 13.56 MHz serial or sector ID card reading/ISO 14-443A tested security	CSN only	CSN only	CSN and sector/block
Mifare Classic encoding	Ability to write data to Mifare cards			Yes
Custom Wiegand configuration	Ability to configure how Wiegand data stream is interpreted			Yes
ARCHITECTURE				
Flexible and scalable system architecture	Easy to expand the system to meet changing needs, with no hardware redundancy	Yes	Yes	Yes
Peer-to-peer communication between controllers	High level of tolerance for failure (SiPass Entro). Event-tasking (SiPass integrated).	Yes	Yes	Yes
Encrypted protocol for all major transmission lines in the installation	No dedicated network required		Yes	Yes
Redundant communications	Alternate communication path via modem in case of network failure		Yes	Yes
Terminal Server Support	Simplifies installation, operation and support of multiple and/or remote sites		Yes	Yes
Support for Microsoft SQL 2005	Support for industry-standard Microsoft SQL			Yes
Support for offline components	Integration with Salto products provides a cost-efficient solution for doors that don't require real-time monitoring			Yes
Support for wireless door fittings	RF30-EM provides a cost-efficient solution for interior doors		Yes	
INSTALLATION AND MAINTENANCE				
Auto-recognition of products when first connected and switched on	Rapid installation, automatic loading of onboard software and reduced risk of configuration error	Yes	Yes	Yes
Advanced diagnostic tools for easy maintenance	Ability to quickly identify and solve any problems that arise		Yes	Yes
Field downloadable firmware	Quick and easy method of updating the firmware in hardware devices		Yes	Yes

Attribute	Definition / Details	SiPass Entro Lite	SiPass Entro	SiPass integrated
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ADDITIONAL FEATURES

Roll call	Quickly provides a list of which people are in any given zone at any given time		Yes	Yes
Operator partitioning	Authorizations (consultation, creation, modification, etc.) are personalized and allocated to each individual operator		Yes	Advanced
Photo ID cards	Makes it easy to capture photographs and signatures, store them in the system and print them on cards		Yes	Yes
Event management	Ability to classify each event according to its priority, which improves efficiency in emergency situations		Yes	Yes
Elevator management	Installation of a reader on the elevator. Users must present a card before selecting the desired floor.		Yes	Advanced
Advanced alarm management	Ability to configure alarm priority levels and have them displayed and highlighted graphically according to their priority level			Yes
Advanced reporting tool	Visual online reporting, database information reporting, audit trail information reporting, advanced search and filtering options, and more			Yes
Visitor management	Allocation of temporary ID cards to visitors, visitor log in the system			Yes
Guard tour	Random or programmed guard tours can be defined by using access points in the system			Yes
Message forwarding	Automatic transmission of an e-mail or message to another server in the event of an unresolved priority alarm			Yes
Graphics interface (site plan)	Enhanced visualization of zones and in- and output points, which improves the response of security personnel			Yes
Image verification	Stored photographs of cardholders can be used for image verification purposes			Yes
Time and attendance export	Ability to extract all logged activity data for export to any T&A application			Yes
Integrated facility reservation function	Booking management for meeting rooms, sports facilities, etc.		Yes	

SYSTEM INTEGRATION/INTEROPERABILITY

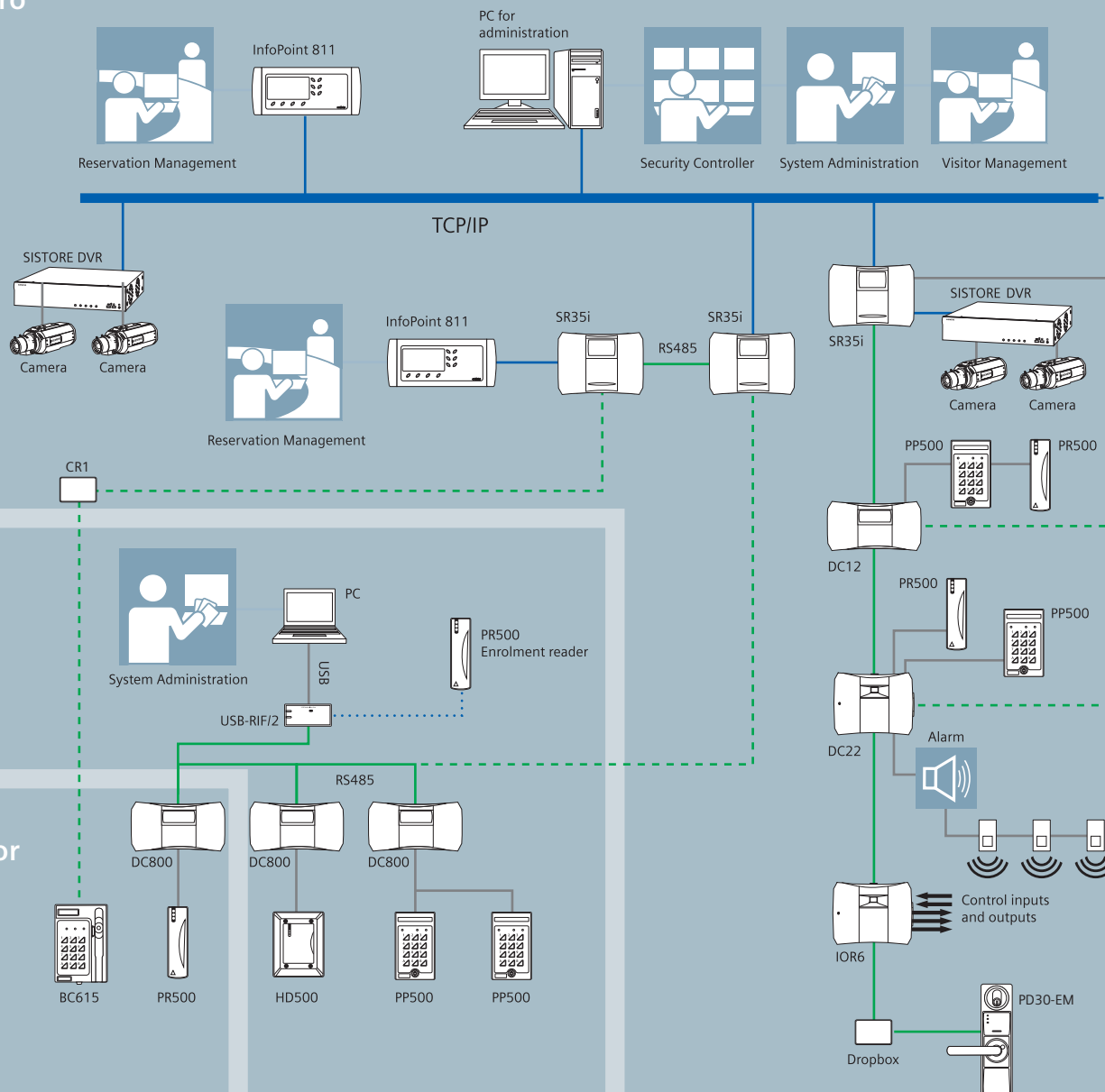
Multi-site / Multi-tenant management	Access to individual site data can be restricted or extended as required		Yes	Yes
Arming and disarming of intrusion alarm systems	Access control readers can be used for arming and disarming		Yes	Yes
Alarm status feedback	Readers indicate the status of the intrusion detection system		Yes	Yes
Area lockout function	If the intrusion area is armed, cardholders without disarm privilege are refused access		Yes	Yes
Monitoring and visualization of the status of intrusion areas	Status of intrusion areas can be displayed graphically in access control system		Yes	Advanced
DVR integration	Full integration with SISTORE range of digital video recorders		Yes	Advanced
CCTV integration	Displays output of virtually any camera and uses the screen tools for standard CCTV functions like zoom, pan, tilt, etc.			Yes
Application programming interfaces (APIs)	These APIs provide interoperability opportunities with third-party systems including HR, DVR and management stations			Advanced
OPC client/server	Ability to send/receive alarm and event status from OPC-enabled applications			Yes

SiPass system overview

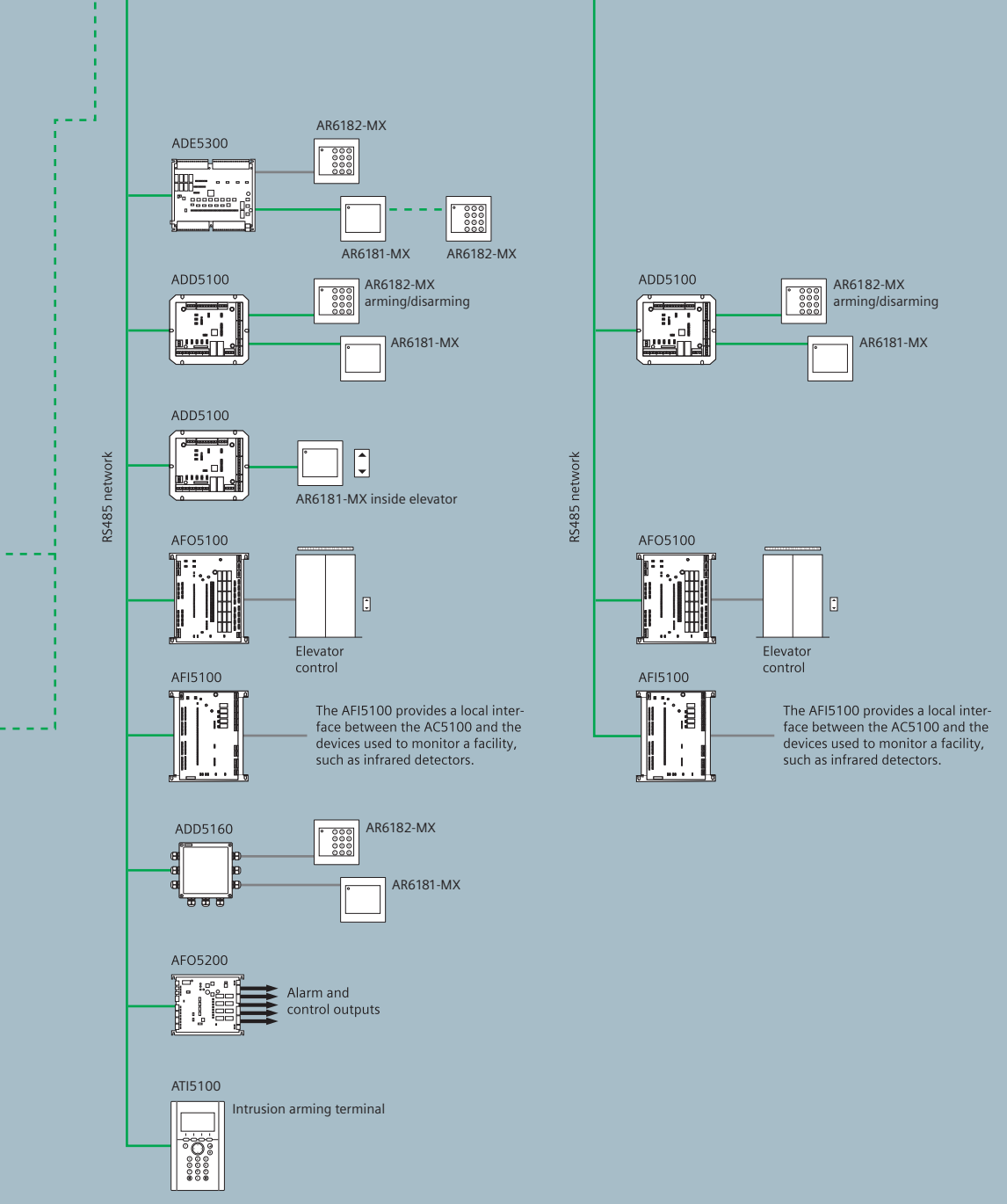
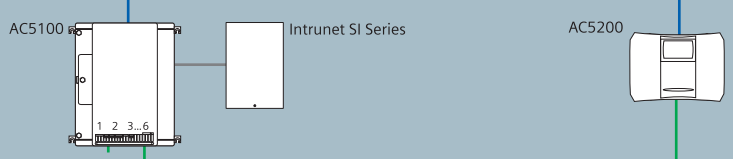
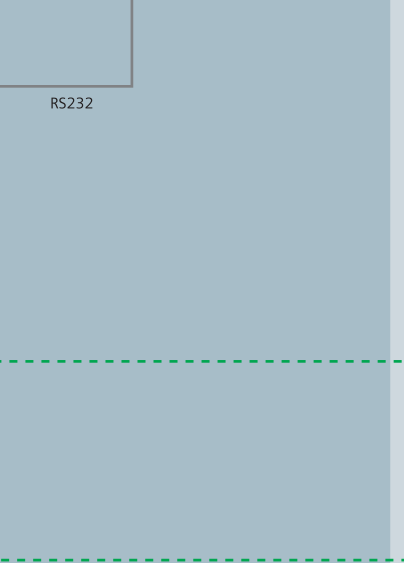
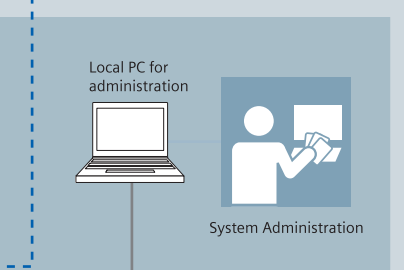
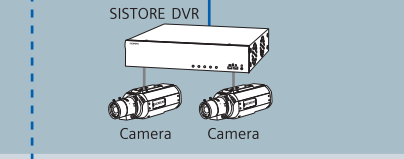
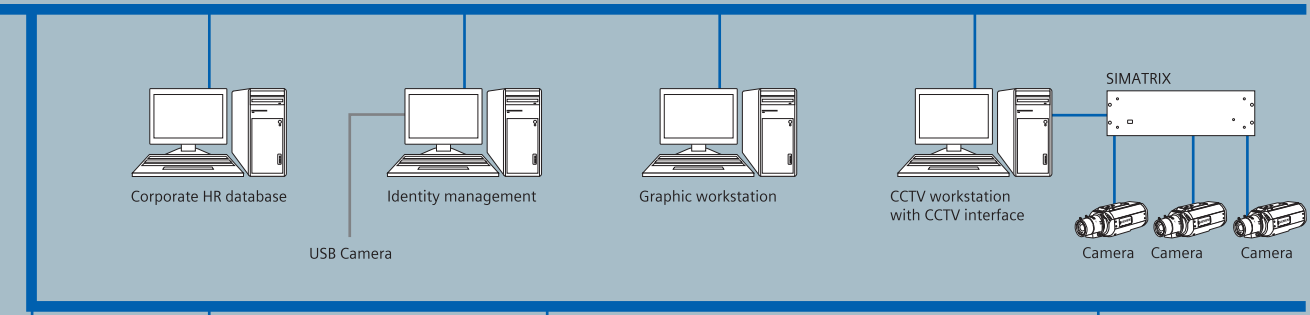
SiPass integrated



SiPass Entro



TCP/IP Network



SiPass Single Door Products...



...Security has
never been simpler.

SiPass Single Door Products



Robust, reliable and cost-efficient devices for individual doors

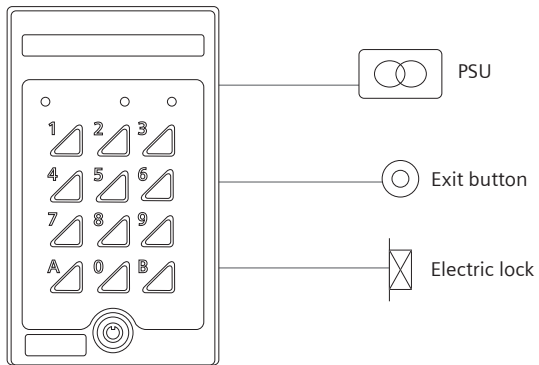
SiPass® Single Door Products are robust, reliable and cost-efficient. The main benefit of installing them is that they eliminate the challenge of managing keys and the cost of replacing locks when a key gets lost. They are also very convenient from a user's perspective.

Our single-door product range includes compact card readers, codelocks and Codoors, as well as products that enable split-mounted single-door applications.

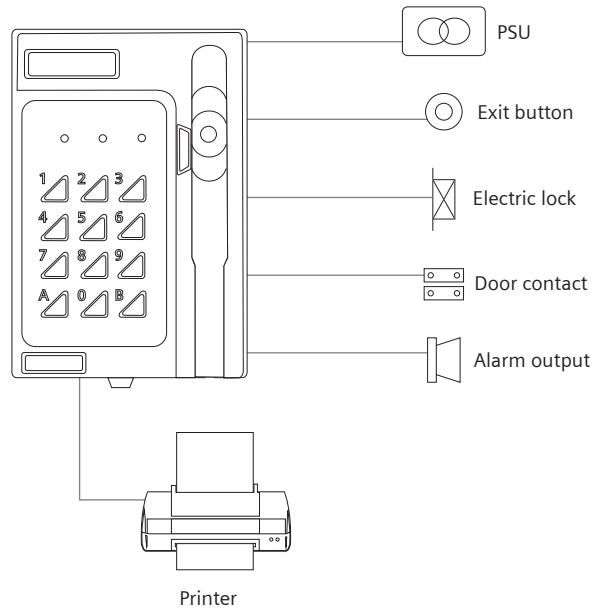
Highlights

- SiPass Codoor products are battery-powered codelocks that incorporate a keypad, a locking device and a power unit in a single housing that fits directly onto an interior door.
- Fingerprint Codoor reads fingerprints rather than cards.
- SiPass codelocks require no cards, tags or keys – users need only remember a four-digit code.
- SiPass compact card readers are very easy to install and operate, and can be programmed from a built-in keypad.
- The SiPass standalone kit and the DC800 offer a higher level of security, by separating the control device – which is mounted in the secure area – from the reader.

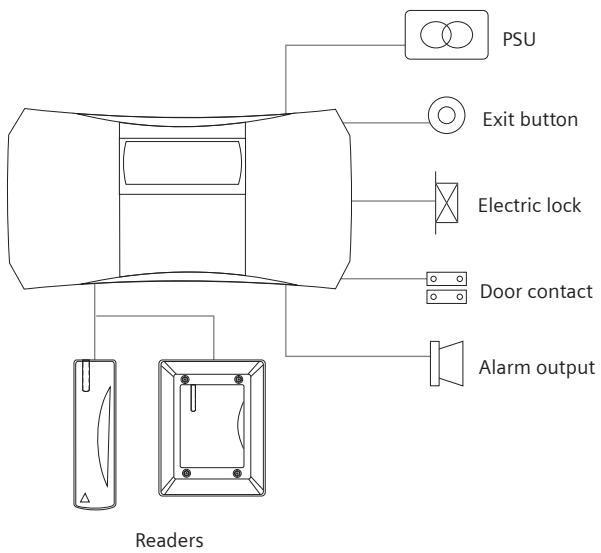
K42



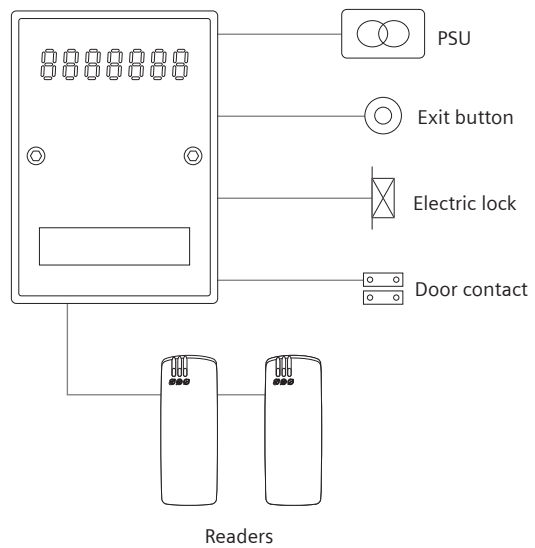
BC615



DC800



SiPass standalone





Type

Order No.

CD4000



Codoor codelock – European lock case standard

CD4000 is a battery-powered codelock that fits directly on an interior door. The programming of codes is carried out directly via the keypad. It is possible to manually change the settings to leave the door unlocked if necessary. The batteries used are standard alkaline or lithium cells.

The CD4000 is suitable for lock cases with a distance of 72 mm between the center of the door handle and the center of the lock cylinder. It is designed for a European standard lock case, following the DIN 18251 standard.

Operating voltage	9 VDC. Two batteries, 9V type 6LR61 (not included).
Operational time	Up to 150,000 openings (lithium batteries), or 50,000 openings (alkaline batteries), or one year, whichever comes first
Code capacity	Nine
Operating temperature	0 to +50 °C
Environment	Indoors, dry
IP rating	IP30
Colour	Stainless steel
Dimensions (W x H x D)	70 x 255 x 54 mm
Weight	1.2 kg

S24246-C8101-A1

CD3500



Codoor codelock – Scandinavian lock case standard

CD3500 is a battery-powered codelock that fits directly on an interior door. The programming of codes is carried out directly via the keypad. It is possible to manually change the settings to leave the door unlocked if necessary. The batteries used are standard alkaline or lithium cells.



The CD3500 is suitable for lock cases with a distance of between 105 mm and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed to fit a Scandinavian lock case.

Operating voltage	9 VDC. Two batteries, 9V type 6LR61 (not included).
Operational time	Up to 150,000 openings (lithium batteries) or 50,000 openings (alkaline batteries), or one year, whichever comes first
Code capacity	Nine
Operating temperature	0 to +50 °C
Environment	Indoors, dry
IP rating	IP30
Colour	Stainless steel
Dimensions (W x H x D)	64 x 245 x 47 mm
Weight	0.9 kg

S24246-C8100-A1

Single Door Products

Codoor

Type	Order No.																		
FP4000 	S24246-C8152-A1																		
<p>Fingerprint Codoor – EN lock case standard</p> <p>Fingerprint Codoor, a complete reader unit suitable for fitting to an interior door, incorporates an electronic fingerprint reader, locking device and a power unit in the same housing.</p> <p>Fingerprint Codoor offers the use of up to 32 different fingerprint templates and up to four four-digit codes. These codes can be used in parallel with fingerprint reading.</p> <p>FP4000 is suitable for lock cases with a distance of 72 mm between the center of the door handle and the center of the lock cylinder. It is designed for a European standard lock case, following the DIN 18251 standard.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>9 VDC. Two batteries, 9V type 6LR61 (not included).</td> </tr> <tr> <td>Operational time</td> <td>Approx. 16,000 openings (lithium batteries) or one year, whichever comes first</td> </tr> <tr> <td>Sensor</td> <td>Capacitive three-dimensional (requires that the finger is "alive")</td> </tr> <tr> <td>Operating temperature</td> <td>0 to +50 °C</td> </tr> <tr> <td>Environment</td> <td>Indoors, dry</td> </tr> <tr> <td>IP rating</td> <td>IP30</td> </tr> <tr> <td>Colour</td> <td>Stainless steel</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>70 x 255 x 54 mm</td> </tr> <tr> <td>Weight</td> <td>1.2 kg</td> </tr> </table>	Operating voltage	9 VDC. Two batteries, 9V type 6LR61 (not included).	Operational time	Approx. 16,000 openings (lithium batteries) or one year, whichever comes first	Sensor	Capacitive three-dimensional (requires that the finger is "alive")	Operating temperature	0 to +50 °C	Environment	Indoors, dry	IP rating	IP30	Colour	Stainless steel	Dimensions (W x H x D)	70 x 255 x 54 mm	Weight	1.2 kg	
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IP rating	IP30																		
Colour	Stainless steel																		
Dimensions (W x H x D)	70 x 255 x 54 mm																		
Weight	1.2 kg																		
FP5000 	S24246-C8151-A1																		
<p>Fingerprint Codoor – Scandinavian lock case standard</p> <p>Fingerprint Codoor, a complete reader unit suitable for fitting to an interior door, incorporates an electronic fingerprint reader, locking device and a power unit in the same housing.</p> <p>Fingerprint Codoor offers the use of up to 32 different fingerprint templates and up to four four-digit codes. These codes can be used in parallel with fingerprint reading.</p> <p>FP5000 is suitable for lock cases with a distance of between 105 mm and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed to fit a Scandinavian lock case.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>9 VDC. Two batteries, 9V type 6LR61 (not included).</td> </tr> <tr> <td>Operational time</td> <td>Approx. 16,000 openings (lithium batteries) or one year, whichever comes first</td> </tr> <tr> <td>Sensor</td> <td>Capacitive three-dimensional (requires that the finger is "alive")</td> </tr> <tr> <td>Operating temperature</td> <td>0 to +50 °C</td> </tr> <tr> <td>Environment</td> <td>Indoors, dry</td> </tr> <tr> <td>IP rating</td> <td>IP30</td> </tr> <tr> <td>Colour</td> <td>Stainless steel</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>64 x 245 x 59 mm</td> </tr> <tr> <td>Weight</td> <td>1.1 kg</td> </tr> </table>	Operating voltage	9 VDC. Two batteries, 9V type 6LR61 (not included).	Operational time	Approx. 16,000 openings (lithium batteries) or one year, whichever comes first	Sensor	Capacitive three-dimensional (requires that the finger is "alive")	Operating temperature	0 to +50 °C	Environment	Indoors, dry	IP rating	IP30	Colour	Stainless steel	Dimensions (W x H x D)	64 x 245 x 59 mm	Weight	1.1 kg	
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IP rating	IP30																		
Colour	Stainless steel																		
Dimensions (W x H x D)	64 x 245 x 59 mm																		
Weight	1.1 kg																		



Type

Order No.

RF30-EM

Wireless Codoor – Scandinavian lock case standard

S54501-F2-A1



RF30-EM is a Codoor unit that can be used either as a standalone product or as a wireless component in a SiPass Entro system. It contains a reader, keypad, controller, lock mechanism and power supply, all in a single housing. It is designed to be mounted directly on an interior door.

In standalone mode it is possible to store up to 250 cards and do administration using the built-in keypad.

In system mode the RF30-EM is fully online and functions in the same way that the wired doors in the SiPass Entro system do. The wireless functionality operates on a 2.4 GHz license-free frequency band using the Zigbee protocol. The maximum distance between an RF30-EM and the SR35i controller is 25 meters. For distances greater than 25 meters the RF9 router is required (see the SiPass Entro section for more information about RF9.)

It is easy to set up RF30-EM as part of a SiPass Entro system by using the installation mode, which indicates the signal strength and reliability of the wireless network.

RF30-EM is suitable for lock cases with a distance of between 105 and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed for use with standard Scandinavian lock cases.

Operating voltage	Two 9V type 6LR61 batteries (not included)
Operational time	Approx. one year
Card technology	EM4102 (also known as Miro or Unique 125 kHz)
Card capacity	Online mode: Set by SiPass Entro Offline mode: 250 cards Standalone mode: 250 cards
Card read distance	Up to 3 cm
Frequency band	2.4 GHz
Indicators	3 x LED (red/yellow/green) 1 x buzzer
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP30
Colour	Stainless steel
Dimensions (W x H x D)	64 x 285 x 59 mm
Weight	0.76 kg
Approval	CE

Single Door Products Codelocks

Type

Order No.

K42



Codelock with two codes

The K42 is the best-selling codelock in the world. It is compact and easy to use with a modern design that is suitable for either indoor or outdoor mounting. The K42 has a capacity of two four-digit codes. One can be used by residents while the other is used by the property caretaker, for example. All settings are made directly in the unit.

Operating voltage	12 to 24 VAC/DC
Current consumption	8 mA in standby
Inputs	Exit button requests with delay. Two separate for code disable.
Outputs	Voltage-free relay contact, max. 1 A, 28 VDC.
Opening time	1–30 sec.
Code capacity	Two four-digit codes
Operating temperature	-35 to +55 °C
Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH2 or SH1 rain cover.
IP rating	IP54
Housing	Cast metal with stainless steel but- tons and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	0.72 kg

S24246-C3552-A1



Type

Order No.

K44 Duo

Codelock with 30 codes

S24246-C3553-A1



The K44 Duo is a programmable codelock for one or two doors. It is possible to set separate codes for each door or the same code for both. K44 Duo also provides the option of door control and alarm output. All programming is done via the keypad. The K44 Duo has a code capacity of 20 four-digit codes and 10 six-digit codes. By using the K44 Duo's tamper switch in combination with the SK5 security unit, it is possible to achieve a higher level of security.

Operating voltage	10 to 35 VDC 8 to 24 VAC
Current consumption	75 mA in standby
Inputs	Two exit button requests with delay. Two separate for codes disable. Two for door contacts. External control of zero opening.
Outputs	Two voltage-free relay contacts, max. 2 A, 28 VDC. Open collector for duress/alert. Open collector for door bell. Tamper switch for alarm connection (normally closed).
Opening time	1-99 seconds programmable from keypad
Door capacity	Two
Code capacity	20 four-digit codes and 10 six-digit codes
Operating temperature	-35 to +55 °C
Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH2 or SH1 rain cover.
IP rating	IP54
Housing	Cast metal with stainless steel buttons and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	0.75 kg

Single Door Products Compact Card Readers

Type

Order No.

BC615

Magnetic stripe card reader



BC615 is a compact magnetic stripe card reader for one door that is programmable from the keypad. It can also be used as part of a SiPass Entro system in conjunction with CR1. It can be mounted either indoors or outdoors and it has a built-in calendar clock to make it easy to change security levels. Access registration and printing are possible. The keypad has background illumination. For flush mounting, use the BB4 flush mounting unit.

Interface	RS232 (printer or system)
Serial interfaces	RS232: 9600 bps, no parity, 8 bit, 1 startbit, 1 stopbit.
Operating voltage	12 to 24 VAC/DC
Current consumption	70 mA
Inputs	Exit button request with delay. Door monitoring. Red LED external control (galvanic insulation), max. 12-30 VDC.
Outputs	Voltage-free relay contacts, max. 2 A, 30 VDC. Open collector for alarm/duress, max. 0.5 A, 30 VDC. Open collector for door alarm max. 0.5 A, 30 VDC. Tamper switch internal/external (normally closed), max. 1 A, 30 VDC.
Time schedules	15 (with up to four time zones each)
Time zones	15
Card read distance	N/A
Card capacity	1,000
Operating temperature	-30 to +50 °C. At 90% relative air humidity.
Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH4 or SH1 rain cover.
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	110 x 160 x 47 mm
Weight	1.3 kg

S24246-F3600-A1



Type	Order No.																																		
<p>BC615-..</p>  <p>Proximity card readers</p> <p>These compact proximity card readers work using Cotag or EM4102 reading technology. They are programmable from the keypad and are intended for use on single doors. They can also be used as part of a SiPass Entro system in conjunction with CR1. The built-in calendar clock makes it easy to change security levels. Access registration and printing are possible. The keypad has background illumination. For flush mounting, use the BB4Prox flush mounting unit.</p> <table border="0"> <tr> <td>Interface</td> <td>RS232 (printer or system)</td> </tr> <tr> <td>Serial interfaces</td> <td>RS232: 9600 bps, no parity, 8 bit, 1 startbit, 1 stopbit.</td> </tr> <tr> <td>Operating voltage</td> <td>12 to 24 VAC/DC</td> </tr> <tr> <td>Current consumption</td> <td>120 mA</td> </tr> <tr> <td>Inputs</td> <td>Exit button request with delay. Door monitoring. Red LED external control (galvanic insulation), max. 12-30 VDC.</td> </tr> <tr> <td>Outputs</td> <td>Voltage-free relay contacts, max. 2 A, 30 VDC. Open collector for alarm/duress, max. 0.5 A, 30 VDC. Open collector for door alarm max. 0.5 A, 30 VDC. Tamper switch internal/external (normally closed), max. 1 A, 30 VDC.</td> </tr> <tr> <td>Time schedules</td> <td>15 (with up to four time zones each)</td> </tr> <tr> <td>Time zones</td> <td>15</td> </tr> <tr> <td>Card read distance</td> <td>Passive cards: approx. 3 cm.</td> </tr> <tr> <td>Card capacity</td> <td>1,000</td> </tr> <tr> <td>Operating temperature</td> <td>-30 to +50 °C. At 90% relative air humidity.</td> </tr> <tr> <td>Environment</td> <td>Indoor or outdoor use (IP54 design). In very exposed locations, use SH4 or SH1 rain cover.</td> </tr> <tr> <td>IP rating</td> <td>IP54</td> </tr> <tr> <td>Housing</td> <td>Cast metal with stainless steel keys and security lock</td> </tr> <tr> <td>Colour</td> <td>Grey</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>110 x 160 x 47 mm</td> </tr> <tr> <td>Weight</td> <td>BC615-Cotag: 1.3 kg BC615-EM: 1.23 kg</td> </tr> </table>	Interface	RS232 (printer or system)	Serial interfaces	RS232: 9600 bps, no parity, 8 bit, 1 startbit, 1 stopbit.	Operating voltage	12 to 24 VAC/DC	Current consumption	120 mA	Inputs	Exit button request with delay. Door monitoring. Red LED external control (galvanic insulation), max. 12-30 VDC.	Outputs	Voltage-free relay contacts, max. 2 A, 30 VDC. Open collector for alarm/duress, max. 0.5 A, 30 VDC. Open collector for door alarm max. 0.5 A, 30 VDC. Tamper switch internal/external (normally closed), max. 1 A, 30 VDC.	Time schedules	15 (with up to four time zones each)	Time zones	15	Card read distance	Passive cards: approx. 3 cm.	Card capacity	1,000	Operating temperature	-30 to +50 °C. At 90% relative air humidity.	Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH4 or SH1 rain cover.	IP rating	IP54	Housing	Cast metal with stainless steel keys and security lock	Colour	Grey	Dimensions (W x H x D)	110 x 160 x 47 mm	Weight	BC615-Cotag: 1.3 kg BC615-EM: 1.23 kg	<p>BC615-..</p>
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Weight	BC615-Cotag: 1.3 kg BC615-EM: 1.23 kg																																		
<p>BC615-Cotag</p> <p>Cotag proximity card reader</p>	<p>S24246-F3601-A1</p>																																		
<p>BC615-EM</p> <p>EM proximity card reader</p>	<p>S24246-F3602-A1</p>																																		

Single Door Products Kits and Controllers

Type

Order No.

DC800



Door controller

The DC800 is a powerful and highly secure door controller that can manage access rights for up to 1,000 cardholders. It offers a range of different reader options – card only, group code only, or card plus personal code. It can be connected to readers on both sides of the door to control both entries and exits. Further, it includes a “door control” function – that is, an alarm is activated when the door is not properly closed or is forced open.

The DC800 is designed for split-mounting. A split-mounted solution separates the control device (i.e. the DC800) – which is mounted in a secure area inside the building – from the card reader that is installed outside the locked door. This protects the control device from vandalism attempts and ensures that the only people who are able to program the DC800 (add cardholders, change settings, etc.) are those who have access to the secure area inside the building.

The DC800 provides 10 time schedules that can control when various categories of cardholders are allowed access through the door – that is, cards can be programmed to provide access only at particular times of the day, if desired. It also includes an integrated calendar clock that enables the programming of different access settings for different times of the day or week, or for holidays.

Ease of programming is one of the major advantages of the DC800. It is programmable either via its built-in keypad or – if the user prefers – from a PC with SiPass Entro Lite software installed. In system mode, the DC800 can also store up to 1,000 events – valid entries, forced-entry attempts, communication disturbances, etc. – in its offline event log. (Note that a PC with the SiPass Entro Lite software installed is required to view and search the event log.)

It is very easy to upgrade from a DC800 single-door application to a multi-door system later, if desired, by using the SiPass Entro Lite software together with a USB-RIF/2. It is also possible to upgrade directly to a SiPass Entro system, with no hardware redundancy.

Interface	To readers: BC-Link, Clock&Data or Wiegand (26 bit, 32 bit, 8 bit burst). To host system: RS485 system com bus
Operating voltage	10-40 VDC, 8-28 VAC
Current consumption	200 mA (24 VDC). Reader only.
Inputs	Door contact for indicating closed/open door Exit button request with delay
Outputs	Voltage-free change over contact (lock relay), max. 2 A, 30 VDC Voltage-free change over contact (extra relay) max. 2 A, 30 VDC
Time schedules	10 (using up to eight time zones)
Time zones	80
Door capacity	One
Card capacity	1,000
Code capacity	10
Operating temperature	-35 to +50 °C. 0 to 90% relative humidity
Environment	Indoor
Housing	Wall-mounted housing with lock
Colour	White
Dimensions (W x H x D)	250 x 128 x 54 mm
Weight	0.57 kg

S24246-C8200-A1



Type

Order No.

AKS6311__

SiPass standalone kit



Only two products are necessary for a SiPass standalone kit installation: one ARS6311-RX card reader and one ACS6311 IO-board. A SiPass standalone kit installation can also use two ARS6311-RX card readers (one at the entry, the other at the exit side of the door), enabling two-way access control. The maximum card capacity is 120.

This kit does not have its own order number; its components have to be ordered individually.

For order numbers and further technical details, see ARS6311-RX in the "Readers" section and ACS6311 in the "Accessories" section.

AKS6311__

SiPass Bewacom & SiPass Bewatel...



... Robust and reliable
door entry phones.

SiPass Door Entry Phones



The smart way to control visitor access through the main entrance

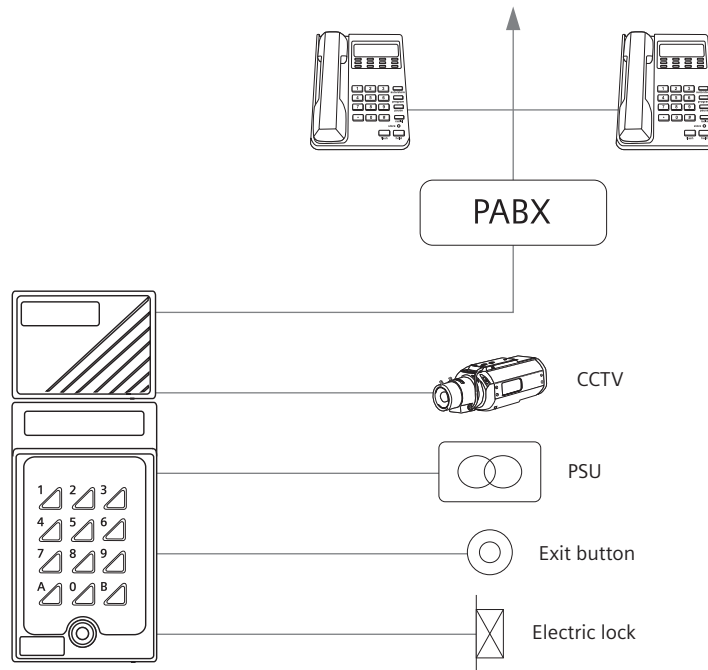
The SiPass® range of door entry phones is designed to meet the needs of businesses and residential buildings that want to control access by visitors through the main door.

SiPass Bewacom connects directly to a company's internal telephone system as a regular extension. It includes a built-in codelock function with time control to allow employees to gain access to the building at specified times while effectively keeping out all unauthorized visitors. Installation is simple and inexpensive – no major cabling is required. Employees can respond to visitors at the entrance using their ordinary office telephones, and even open the door without leaving their desks. This system is also available as a one-button model for those customers who only want visitors to be able to get in touch with the receptionist.

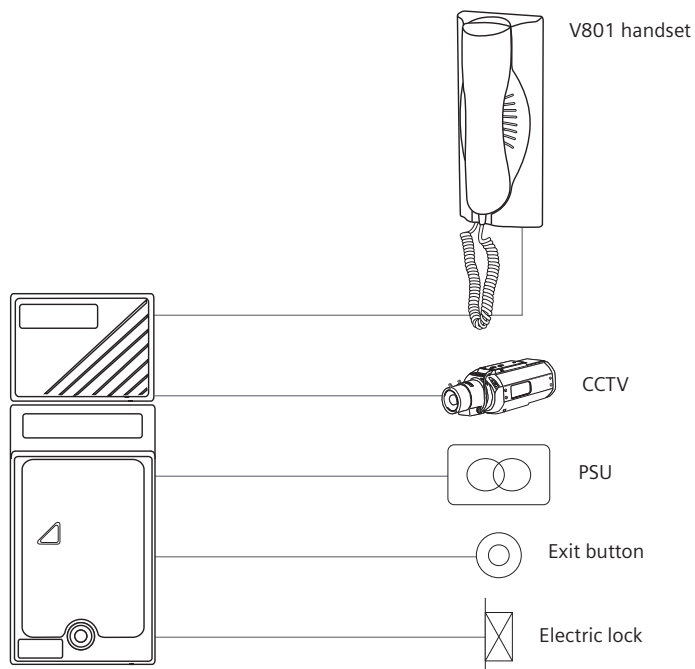
SiPass Bewatel is a door entry phone system designed to meet the needs of residential buildings and small businesses. SiPass Bewatel systems are available for one to four extensions. A telephone handset is fitted at each extension that can be used to answer calls and open the main entrance door. Sound quality is excellent and the entrance phone unit is only slightly larger than a conventional codelock panel.

Door Entry Phones Diagrams

SiPass Bewacom



SiPass Bewatel





Type

Order No.

BM3

Door entry phone for PABX

S24246-C7900-A1



BM3 is a smart and cost-efficient Bewacom door entry phone that connects to a company's existing PABX internal telephone system in just the same way as any other extension in that system. The BM3 makes it possible to unlock the main entrance door, for example, via the press of a button at any of the telephone extensions that are connected to the company's internal telephone system. Installation is fast and easy with minimal cabling required.

The BM3 also has a built-in codelock with four codes, two of which can be set so that they are only valid during certain times of the day or week. The major advantage of the codelock function is that it allows you to set codes that employees or special visitors can use to enter the building, rather than having to call someone who is already inside to buzz them in.

The BM3 also includes a tamper switch and an output for camera control. The tamper switch is very useful in that it can be used together with the SK5 security unit to eliminate the possibility of opening the lock by using battery power directly on the lock cables.

A video surveillance camera can be connected to BM3 via its output for camera control. The BM3 can trigger the camera to start filming as soon as a visitor pushes a call button on the BM3, for example. This video can either be viewed on a connected monitor directly by the person who picks up the call (the receptionist, for example), or it can simply be saved in the video surveillance log and viewed later, if required.

Interface	Two analog extension cables for PABX
Operating voltage	12 to 24 VAC/DC
Current consumption	60 mA in standby
Inputs	Exit button request with delay. Two inputs for disabling respective codes.
Outputs	Voltage-free relay contact, max. 2 A 28 VDC. Tamper switch for alarm (normally closed). Relay for control of CCTV system.
Calling time	1-99 seconds (can be extended x10)
Opening time	1-99 seconds programmable from keypad (can be extended x10).
Code capacity	Four
Operating temperature	-35 to +50 °C. At 90% relative air humidity.
Environment	Indoor or outdoor use. In very exposed locations, use SH3 or SH1 rain cover.
IP rating	IP54
Housing	Cast metal with stainless steel buttons and security lock. For flush mounting, use BB5 flush mounting kit.
Dimensions (W x H x D)	80 x 200 x 40 mm
Weight	1.11 kg

Door Entry Phones

SiPass Bewacom

Type

Order No.

BM31

Single button door entry phone for PABX

S24246-C7901-A1



BM31 is a smart and cost-efficient Bewacom door entry phone that connects to a company's existing PABX internal telephone system in just the same way as any other extension in that system.

Since the BM31 makes use of the "hotline" function in PABX systems, it only has one call button to allow calls to a single extension (usually reception, but it can be set to any number in the PABX system). Installation is fast and easy with minimal cabling required.

The BM31 also includes a tamper switch and an output for camera control. The tamper switch is very useful in that it can be used together with the SK5 security unit to eliminate the possibility of opening the lock by using battery power directly on the lock cables.



A video surveillance camera can be connected to the BM31 via its output for camera control. BM31 can trigger the camera to start filming as soon as a visitor pushes the call button on the BM31, for example. This video can either be viewed on a connected monitor directly by the person who picks up the call (the receptionist, for example), or it can simply be saved in the video surveillance log and viewed later, if required.

Interface	Two analog extension cables for PABX
Operating voltage	12 to 24 VAC/DC
Current consumption	60 mA in standby
Inputs	Exit request (with delay). External control of calling. External control of ending call.
Outputs	Voltage-free relay contact, max. 2 A 28 VDC. Tamper switch for alarm (normally closed). Relay for control of CCTV system.
Calling time	Fixed 30 seconds
Opening time	Fixed 7 seconds
Code capacity	N/A
Operating temperature	-35 to +50 °C. At 90% relative air humidity.
Environment	Indoor or outdoor use. In very exposed locations, use SH3 or SH1 rain cover.
IP rating	IP54
Housing	Cast metal with stainless steel buttons and security lock. For flush mounting, use BB5 flush mounting kit.
Dimensions (W x H x D)	80 x 200 x 40 mm
Weight	1.12 kg



Type	Order No.																						
<p>BT4..</p> <p>Bewatel door entry phone</p> <p>BT41 and BT44 are Bewatel door entry phone units designed to meet the needs of small companies and residential buildings. Either a BT41 or BT44 unit is installed at the main entrance and up to four V801 or B801 telephone handsets are installed at convenient locations inside the building. Up to three V801 or B801 telephone handsets can be connected in parallel to the same extension.</p> <p>The major difference between the BT41 and the BT44 is that the BT41 has only one call button, while the BT44 has four call buttons.</p> <p>Regardless of which model is used, when visitors arrive at the main door they simply press one of the call buttons and the call goes through to one of the V801 handsets. The person at that extension then answers the call and if they want to allow the visitors into the building, they press the "unlock" button on the V801 or B801 handset and the door is unlocked.</p> <p>Both the BT41 and the BT44 include a tamper switch and an output for camera control. The tamper switch is very useful in that it can be used together with the SK5 security unit to eliminate the possibility of opening the lock by using battery power directly on the lock cables.</p> <p>The output for camera control makes it possible to connect a CCTV camera to the BT41 or BT44 and trigger it to start filming as soon as a visitor pushes a call button on the door entry phone unit. This video can either be viewed on a connected monitor directly by the person who picks up the call (the receptionist, for example), or it can simply be saved in the video surveillance log and viewed later, if required.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>12 to 24 VAC/DC</td> </tr> <tr> <td>Interface</td> <td>Five-wire cable to handset</td> </tr> <tr> <td>Current consumption</td> <td>40 mA in standby</td> </tr> <tr> <td>Outputs</td> <td>Voltage-free relay contact, max. 2 A 28 VDC. Control of separate CCTV system. Tamper switch for alarm (normally closed).</td> </tr> <tr> <td>Opening time</td> <td>1-15 seconds</td> </tr> <tr> <td>Operating temperature</td> <td>-35 to +50 °C. At 90% relative air humidity.</td> </tr> <tr> <td>Environment</td> <td>Indoor or outdoor use (IP54 design). In very exposed locations, use SH3 or SH1 rain cover.</td> </tr> <tr> <td>IP rating</td> <td>IP54</td> </tr> <tr> <td>Housing</td> <td>Cast metal with stainless steel keys and security lock. For flush mounting, use BB5 flush mounting unit.</td> </tr> <tr> <td>Colour</td> <td>Grey</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>80 x 200 x 40 mm</td> </tr> </table>	Operating voltage	12 to 24 VAC/DC	Interface	Five-wire cable to handset	Current consumption	40 mA in standby	Outputs	Voltage-free relay contact, max. 2 A 28 VDC. Control of separate CCTV system. Tamper switch for alarm (normally closed).	Opening time	1-15 seconds	Operating temperature	-35 to +50 °C. At 90% relative air humidity.	Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH3 or SH1 rain cover.	IP rating	IP54	Housing	Cast metal with stainless steel keys and security lock. For flush mounting, use BB5 flush mounting unit.	Colour	Grey	Dimensions (W x H x D)	80 x 200 x 40 mm	<p>BT4..</p>
Operating voltage	12 to 24 VAC/DC																						
Interface	Five-wire cable to handset																						
Current consumption	40 mA in standby																						
Outputs	Voltage-free relay contact, max. 2 A 28 VDC. Control of separate CCTV system. Tamper switch for alarm (normally closed).																						
Opening time	1-15 seconds																						
Operating temperature	-35 to +50 °C. At 90% relative air humidity.																						
Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH3 or SH1 rain cover.																						
IP rating	IP54																						
Housing	Cast metal with stainless steel keys and security lock. For flush mounting, use BB5 flush mounting unit.																						
Colour	Grey																						
Dimensions (W x H x D)	80 x 200 x 40 mm																						

Door Entry Phones SiPass Bewatel

Type		Order No.
BT41	Single button door entry phone See BT4.. for technical overview and note the additional / other specifications: BT41 has one call button. It connects to one V801 or B801 handset by wire. Weight 1.19 kg	S24246-F8001-A1
		
BT44	Four button Bewatel door entry phone See BT4.. for technical overview and note the additional / other specifications: BT44 has four call buttons. It connects to up to four V801 or B801 handsets by wire. Weight 1.12 kg	S24246-F8002-A1
		



Type

Order No.

BTK41

Bewatel door entry phone with integrated keypad

S24246-F8005-A1



The BTK41 is a Bewatel door entry phone unit that offers all the benefits of the BT41 and BT44 units, as well as providing built-in codelock functionality. The codelock functionality in the BTK41 is advantageous because it makes it very easy for residents and/or employees to enter the building by simply entering a code rather than having to call someone who is already inside to buzz them in. The built-in codelock can handle up to 30 different codes. Some or all of these codes can be set so that they are only valid during certain times of the day or week.

Operating voltage	10 to 35 VAC/DC
Interface	Five-wire cable to handset
Current consumption	40 mA in standby
Inputs	Exit button request with delay. Control of separate CCTV system. Two separate inputs for code disabling. External control of zero opening.
Outputs	Voltage-free relay contact, max. 2 A, 28 VDC. Open collector for duress. Open collector for door bell. Tamper switch for alarm connection (normally closed).
Opening time	1-99 seconds
Code capacity	Four four-digit codes in standard mode (factory setting) 20 four-digit codes and 10 six-digit codes in advanced mode
Operating temperature	-35 to +50 °C. At 90% relative air humidity.
Environment	Indoor or outdoor use (IP54 design). In very exposed locations, use SH3 or SH1 rain cover.
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock. For flush mounting, use BB5 flush mounting unit.
Colour	Grey
Dimensions (W x H x D)	80 x 200 x 40 mm
Weight	1.1 kg

BTVX

Exchange unit for connecting several door entry phones

S24246-C8000-A1



BTVX is an exchange unit. It is required when up to four door entry phones are connected to one handset in a Bewatel system. It ensures that only the relevant door is unlocked, rather than all connected doors.

Operating voltage	12 to 24 VAC/DC
Interface	Five-wire to handset. Connection to four door entry phones.
Current consumption	20 mA in standby
Operating temperature	-20 to +35 °C
Environment	Indoor
Housing	White plastic housing with security lock
Dimensions (W x H x D)	200 x 140 x 60 mm
Weight	0.655 kg

Door Entry Phones

SiPass Bewatel

Type	Order No.								
<p>V801</p>  <p>Handset for Bewatel (wall mounted)</p> <p>The V801 is a white, wall-mounted handset, for connection to BT41, BT44 or BTK41. This model includes a buzzer and a button to unlock the door. Three units can be installed in parallel.</p> <table border="0"> <tr> <td>Interface</td> <td>Five-wire cable to door phone</td> </tr> <tr> <td>Environment</td> <td>Indoor use only</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>80 x 220 x 55 mm</td> </tr> <tr> <td>Weight</td> <td>0.375 kg</td> </tr> </table>	Interface	Five-wire cable to door phone	Environment	Indoor use only	Dimensions (W x H x D)	80 x 220 x 55 mm	Weight	0.375 kg	<p>S24246-Z8003-A1</p>
Interface	Five-wire cable to door phone								
Environment	Indoor use only								
Dimensions (W x H x D)	80 x 220 x 55 mm								
Weight	0.375 kg								
<p>B801</p>  <p>Handset for Bewatel (desktop)</p> <p>B801 is a desktop telephone handset for connection to BT41, BT44 or BTK41. This model includes a buzzer and a button to unlock the door. Three units can be installed in parallel. A junction box enabling connections is supplied with the handset.</p> <table border="0"> <tr> <td>Interface</td> <td>Five-wire cable to door phone</td> </tr> <tr> <td>Environment</td> <td>Indoor use only</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>80 x 220 x 55 mm</td> </tr> <tr> <td>Weight</td> <td>0.705 kg</td> </tr> </table>	Interface	Five-wire cable to door phone	Environment	Indoor use only	Dimensions (W x H x D)	80 x 220 x 55 mm	Weight	0.705 kg	<p>S24246-Z8004-A1</p>
Interface	Five-wire cable to door phone								
Environment	Indoor use only								
Dimensions (W x H x D)	80 x 220 x 55 mm								
Weight	0.705 kg								

How do I know which floor to check in case of an alarm?

Using interoperable access control, intrusion detection and video surveillance systems.

The alarm can be easily located via the intrusion detection system, then verified with surveillance cameras while simultaneously recording, yet restricting access control rights within the building – all displayed and controlled via one screen. www.siemens.com/interoperability

Answers for infrastructure.

SIEMENS

SiPass Entro Lite...



...Coordinated access control
just got a whole lot easier.

SiPass Entro Lite



The cost-efficient access control system for 1 to 8 doors

SiPass® Entro Lite is the ideal system for small organizations that want a greater degree of coordination and overview in their access control management than SiPass Single Door Products can provide.

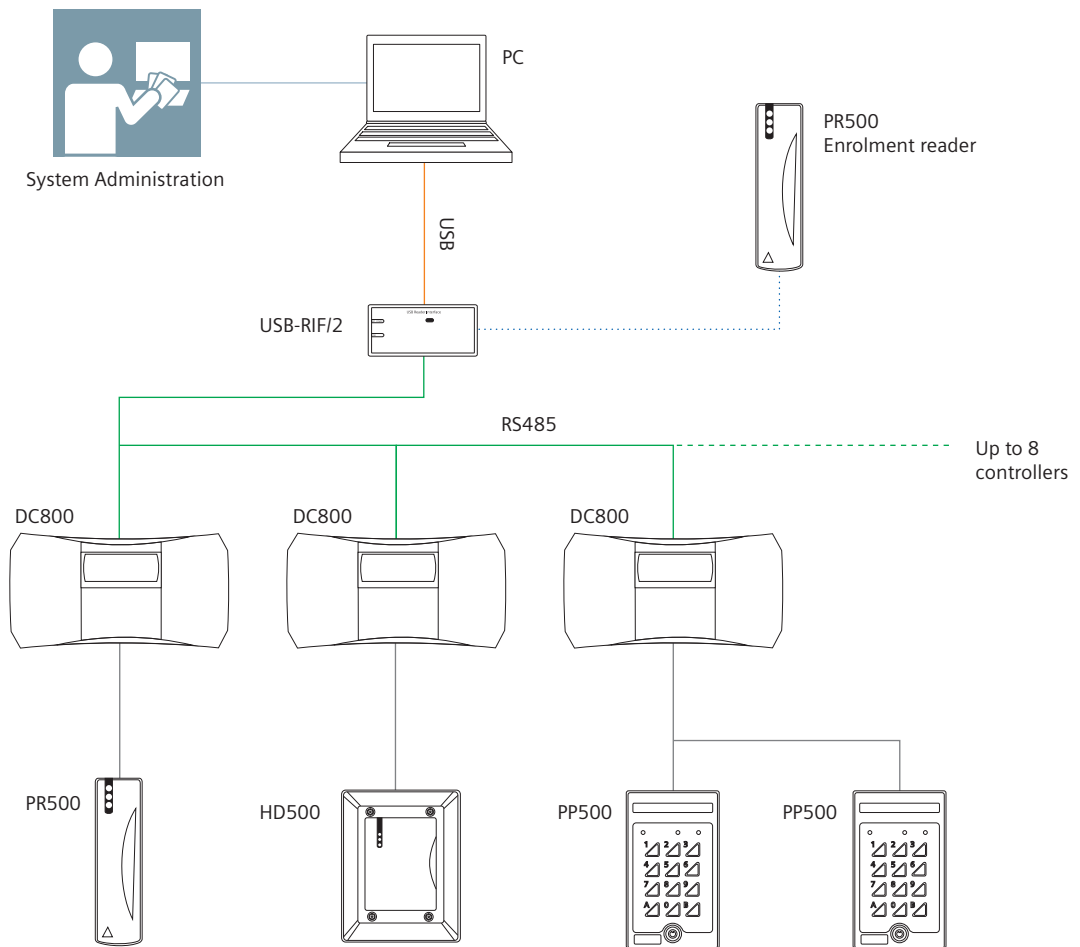
Customers who have already installed DC800 door controllers in standalone mode can very easily create a small networked access control system for up to 8 doors by simply installing the SiPass Entro Lite software and connecting the DC800 units with cables.

Alternatively, a SiPass Entro Lite system can be installed for one or more doors to start and then extended with more doors when needed. SiPass Entro Lite is simple to use, flexible and scalable. If and when the time comes, it's very easy to upgrade to the more comprehensive SiPass Entro.

The key benefits of SiPass Entro Lite are:



- Central control of up to 8 doors and 1,000 cardholders
- Easy administration of tags and cards via Windows-based software
- Easy programming and adjustment of security requirements such as type of building or time of the day
- Full control of how the system handles events through the use of filters and search functionality
- No hardware redundancy when the system is expanded
- Immediate access to additional advanced functions after upgrade to SiPass Entro, without changing the hardware that has already been installed

SiPass Entro Lite Diagrams



To find out which readers are compatible with SiPass Entro Lite, please refer to the matrix on page 8-2.



Type	Order No.																		
<p>Entro Lite SW</p>  <p>SiPass Entro Lite software and USB-RIF/2 converter</p> <p>The SiPass Entro Lite software can control up to eight DC800 door controllers. Twelve languages are included as standard: English, German, Dutch, French, Spanish, Italian, Danish, Swedish, Norwegian, Finnish, Czech and Polish.</p> <p>It also includes a USB-RIF/2 interface for converting the RS485 communication bus to USB (in PC). See the product USB-RIF/2 for more information about the converter.</p> <p>The software is of the "one-window" type with both events and programming menus displayed at the same time. It includes visual symbols of doors to provide a quick overview of door status.</p> <p>The USB-RIF/2 allows for enrolment functions to be carried out using a PC. Simply connect a proximity reader (like PR500) to the unit (see the products TG Prox Cotag or TG Prox EM).</p> <p>Event log capacity is 1,000 events.</p> <table border="0"> <tr> <td>System requirements</td> <td>USB port for connection of the access control system. CD drive. Windows XP, Windows 2000 or Windows Vista.</td> </tr> <tr> <td>Door held warning time</td> <td>1-99 seconds</td> </tr> <tr> <td>Opening time</td> <td>1-99 seconds</td> </tr> <tr> <td>Security levels</td> <td>Unlocked, Group code, Card only, Card + PIN, Door locked plus Toggle.</td> </tr> <tr> <td>Time schedules</td> <td>10 + one 24 hours a day.</td> </tr> <tr> <td>Time zones</td> <td>Two time intervals per day and one interval (in each time schedule) for half days.</td> </tr> <tr> <td>Door capacity</td> <td>8</td> </tr> <tr> <td>Card capacity</td> <td>1,000</td> </tr> <tr> <td>Code capacity</td> <td>10</td> </tr> </table>	System requirements	USB port for connection of the access control system. CD drive. Windows XP, Windows 2000 or Windows Vista.	Door held warning time	1-99 seconds	Opening time	1-99 seconds	Security levels	Unlocked, Group code, Card only, Card + PIN, Door locked plus Toggle.	Time schedules	10 + one 24 hours a day.	Time zones	Two time intervals per day and one interval (in each time schedule) for half days.	Door capacity	8	Card capacity	1,000	Code capacity	10	<p>S24246-P8251-A1</p>
System requirements	USB port for connection of the access control system. CD drive. Windows XP, Windows 2000 or Windows Vista.																		
Door held warning time	1-99 seconds																		
Opening time	1-99 seconds																		
Security levels	Unlocked, Group code, Card only, Card + PIN, Door locked plus Toggle.																		
Time schedules	10 + one 24 hours a day.																		
Time zones	Two time intervals per day and one interval (in each time schedule) for half days.																		
Door capacity	8																		
Card capacity	1,000																		
Code capacity	10																		
<p>TG-..</p>  <p>EM or Cotag enrolment reader kit</p> <p>This reader kit consists of a PR500 proximity reader and a desk stand. Connects to the USB-RIF/2.</p> <p>For further technical information about the PR500 readers, look in the "Readers" section.</p>	<p>TG-..</p>																		
<p>TG-EM</p> <p>Enrolment reader kit for EM cards and tags</p>	<p>S24246-F8653-A1</p>																		
<p>TG-Cotag</p> <p>Enrolment reader kit for Cotag cards and tags</p>	<p>S24246-F8654-A1</p>																		

SiPass Entro Lite Controllers

Type

Order No.

DC800



Door controller

The DC800 is a powerful and highly secure door controller that can manage access rights for up to 1,000 cardholders. It offers a range of different reader options – card only, group code only, or card plus personal code. It can be connected to readers on both sides of the door to control both entries and exits. Further, it includes a “door control” function – that is, an alarm is activated when the door is not properly closed or is forced open.

The DC800 is designed for split-mounting. A split-mounted solution separates the control device (i.e. the DC800) – which is mounted in a secure area inside the building – from the card reader that is installed outside the locked door. This protects the control device from vandalism attempts and ensures that the only people who are able to program the DC800 (add cardholders, change settings, etc.) are those who have access to the secure area inside the building.

The DC800 provides 10 time schedules that can control when various categories of cardholders are allowed access through the door – that is, cards can be programmed to provide access only at particular times of the day, if desired. It also includes an integrated calendar clock that enables the programming of different access settings for different times of the day or week, or for holidays.

Ease of programming is one of the major advantages of the DC800. It is programmable either via its built-in keypad or – if the user prefers – from a PC with SiPass Entro Lite software installed. In system mode, the DC800 can also store up to 1,000 events – valid entries, forced-entry attempts, communication disturbances, etc. – in its offline event log. (Note that a PC with the SiPass Entro Lite software installed is required to view and search the event log.)

It is very easy to upgrade from a DC800 single-door application to a multi-door system later, if desired, by using the SiPass Entro Lite software together with a USB-RIF/2. It is also possible to upgrade directly to a SiPass Entro system, with no hardware redundancy.

Interface	To readers: BC-Link, Clock&Data or Wiegand (26 bit, 32 bit, 8 bit burst). To host system: RS485 system com bus
Operating voltage	10-40 VDC, 8-28 VAC
Current consumption	200 mA (24 VDC). Reader only.
Inputs	Door contact for indicating closed/open door Exit button request with delay
Outputs	Voltage-free change over contact (lock relay), max. 2 A, 30 VDC Voltage-free change over contact (extra relay) max. 2 A, 30 VDC
Time schedules	10 (using up to eight time zones)
Time zones	80
Door capacity	One
Card capacity	1,000
Code capacity	10
Operating temperature	-35 to +50 °C. 0 to 90% relative humidity
Environment	Indoor
Housing	Wall-mounted housing with lock
Colour	White
Dimensions (W x H x D)	250 x 128 x 54 mm
Weight	0.57 kg

S24246-C8200-A1

SiPass Entro Lite Kits



Type	Order No.
<p>AK1100-CO</p> <p>SiPass Entro Lite Cotag Starter Kit</p> <p>The SiPass Entro Lite Cotag Starter Kit includes everything you need to set up a single-door access control system.</p> <p>Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p> <p>This kit can easily be complemented with one or more SiPass Entro Lite Cotag Door Kits to create a larger access control system.</p> <p>The kit includes:</p> <ul style="list-style-type: none"> • One DC800 door controller • SiPass Entro Lite software and USB-RIF/2 converter • One PR500-Cotag proximity reader • 20 Cotag cards 	<p>S54507-S14-A1</p>
<p>AK1110-CO</p> <p>SiPass Entro Lite PR500-Cotag Door Kit</p> <p>The SiPass Entro Lite PR500-Cotag Door Kit includes:</p> <ul style="list-style-type: none"> • One DC800 door controller • One PR500-Cotag proximity reader <p>Note: Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p>	<p>S54507-S6-A1</p>
<p>AK1100-EM</p> <p>SiPass Entro Lite EM Starter Kit</p> <p>The SiPass Entro Lite EM Starter Kit includes everything you need to set up a single-door access control system.</p> <p>This kit can easily be complemented with one or more SiPass Entro Lite Door Kits to create a larger access control system.</p> <p>The kit includes:</p> <ul style="list-style-type: none"> • One DC800 door controller • SiPass Entro Lite software and USB-RIF/2 converter • One PR500-EM proximity reader • 20 EM cards 	<p>S54507-S2-A3</p>
<p>AK1110-EM</p> <p>SiPass Entro Lite PR500-EM Door Kit</p> <p>The SiPass Entro Lite PR500-EM Door Kit includes:</p> <ul style="list-style-type: none"> • One DC800 door controller • One PR500-EM proximity reader 	<p>S54507-S2-A4</p>

SiPass Entro ...



... Open the door to comprehensive security.



Comprehensive access control

SiPass Entro is a very scalable, flexible, and user-friendly access control system that can monitor and control access to facilities with up to 512 doors and 40,000 cardholders. It enables customized access rights by categories and offers a complete range of reports. System configuration is simple and an extensive range of reader and card options are available.

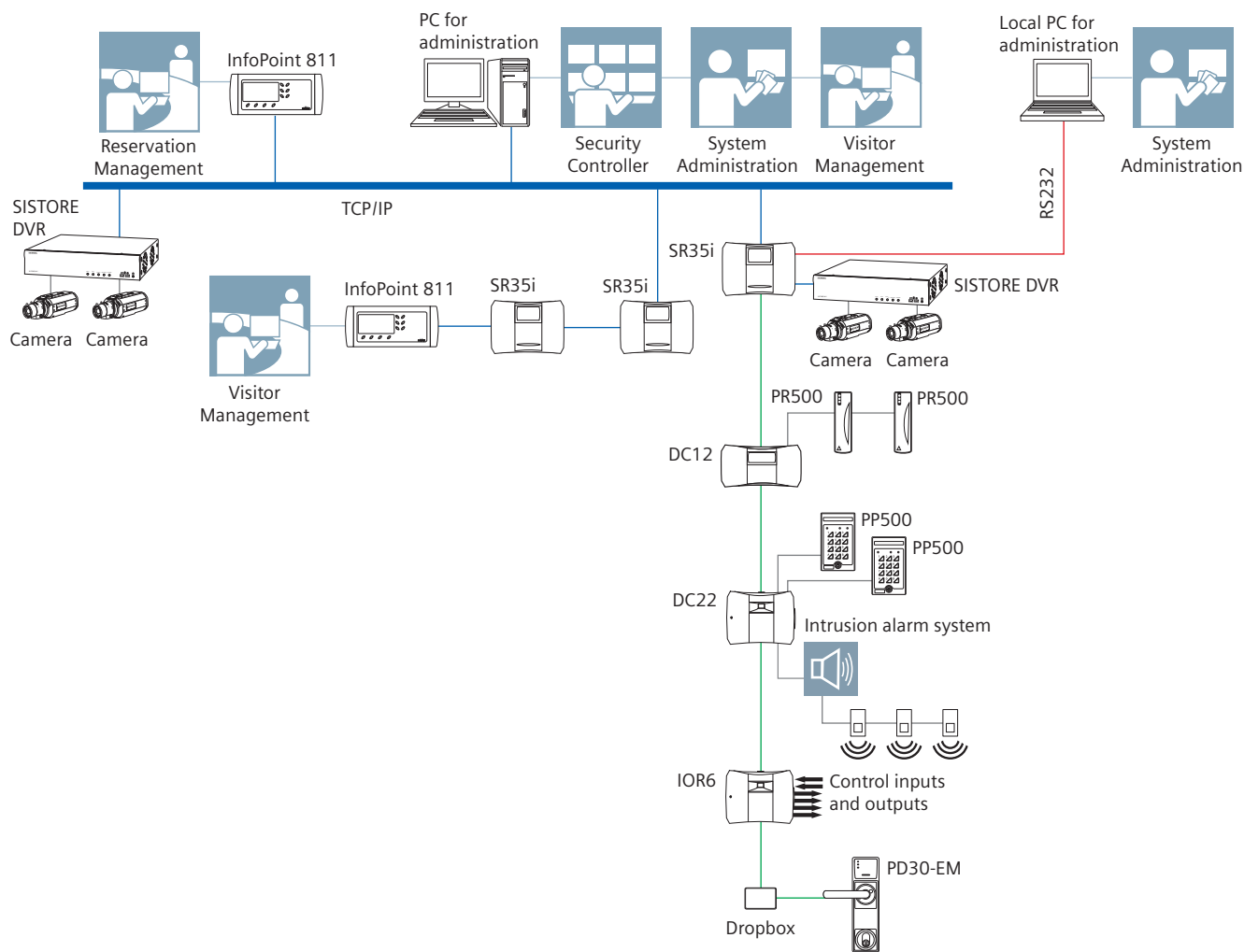
SiPass Entro provides a unique and very smart video recording capability when used in combination with SISTORE digital video recorders from Siemens. Up to 16 SISTORE DVRs and 128 cameras can be connected to SiPass Entro without the need for an additional PC or server. The SiPass Entro software is used to define the events that trigger recording, activate manual recording, and launch the "live view" function. Recorded events can be launched and viewed directly via the event log in the SiPass Entro software along with the status of all connected doors and cameras.

SiPass Entro supports Windows Terminal Server 2003/2008, which enables multi-site card management from a central location. This makes system maintenance very easy – a single software installation can be used to manage up to 10,000 branch sites. There is no need for system know-how at branch sites – an organization's headquarters can provide all the know-how and support for the access control system.

Other noteworthy features in SiPass Entro are its integrated reservation function for rooms and facilities, the ability to create and print personalized cards and badges, its elevator and alarm control capabilities, and its open TCP/IP interface to other systems, such as accounting, and time and attendance.

SiPass Entro also provides a fast and easy upgrade path to SiPass integrated without any hardware redundancy, which makes SiPass Entro a very safe investment for the long term.

SiPass Entro Diagrams



To find out which readers are compatible with SiPass Entro, please refer to the matrix on page 8-2.



Type

Order No.

SiPass Entro



SiPass Entro software

The SiPass Entro software is Windows-based and very easy to use. It can communicate with system hardware via direct connection (COM), local and global networks (LAN/WAN), TCP/IP or modem. The software supports various operating authorizations – for example, reception personnel may be authorized only to handle card activation while administrators are authorized to implement basic modifications of the system.

The software provides sophisticated event control and search functions with graphical icons for door monitoring in addition to common tasks like card administration. It also includes alarm bypass control with alarm status feedback (ASF), anti-passback, roll-call, interlock function, elevator control, photo ID, and many other useful features.

The template design tool in the SiPass Entro software makes it possible to design personalized ID cards and print them using standard Windows printer drivers.

It is also very easy to define alarm zones using the SiPass Entro software. At each reader or door assigned to an alarm zone, the alarm can be activated or deactivated. SiPass Entro's Alarm Status Feedback (ASF) function can indicate the status (armed/disarmed) of the zone at any reader in the zone (via the red reader LED). In applications that include SISTORE DVRs, the SiPass Entro software fully integrates the DVRs into the access control system, which makes event-triggered recording very easy.

An integrated Web-based reservation function is also included in the software. It is ideal for managing access to conference rooms, sport facilities, clubs, and so on. Reservation can be done via the Internet or via an InfoPoint reservation terminal. The software also includes an open TCP/IP interface (BAPSI) to third-party applications.


In cases where wireless components (i.e. RF30-EM and RF9) are used in a SiPass Entro system, the SiPass Entro software handles those components in a similar way as it handles wired ones.

The SiPass Entro software is available in the following languages: Czech, Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Spanish and Swedish.

System requirements	Processor 1 GHz 512 Mb RAM CD-ROM drive. VGA colour monitor 1024 x 768. Local Area Network connection (or serial port for connection of segment controller/modem). Windows 2000 SP4, XP SP2, Vista or Microsoft Terminal Server 2008/2003 functionality.
Basic network requirements	Twisted-pair Ethernet 10/100 Mbit. Static or dynamic (DHCP) IP-address for SR35i. Stable Internet connection of SR35i (when Internet is used).
Requirements for modem	9600 baud on DTE, Autoanswer disabled, Ignore DTR, Local echo disabled.
Recommendation for modem	Watchdog should be included. Will reset the modem if, for example, communication stops.

SiPass Entro

SiPass Entro Core Software

Type		Order No.
Entro SW SE	<p>SiPass Entro software – Standard edition</p> <p>See SiPass Entro for technical overview and note the additional / other specifications:</p> <p>This CD-ROM contains the Standard edition of the SiPass Entro software, one user license and both the installer and end-user documentation. It is for usage in Windows 2000, Windows XP and Windows Vista environments.</p>	S24246-P8601-A1
Entro SW SEUL	<p>Additional license for SiPass Entro software – Standard edition</p> <p>See SiPass Entro for technical overview and note the additional / other specifications:</p> <p>An additional license is required for every additional system administrator. Order this product when you require an additional license for the Standard edition of the SiPass Entro software.</p>	S24246-P8600-A1
Entro SW TS	<p>SiPass Entro software – Terminal Server edition</p> <p>See SiPass Entro for technical overview and note the additional / other specifications:</p> <p>This CD-ROM contains the Terminal Server edition of the SiPass Entro software, one installation key, one user licence and both the installer and end-user documentation. It is for usage in Windows Terminal Server 2008/2003 environments. This edition of the software is required for centralized multi-site administration.</p>	S54511-P3-A1
Entro SW TSUL	<p>Additional licence for SiPass Entro software – Terminal Server edition</p> <p>See SiPass Entro for technical overview and note the additional / other specifications:</p> <p>An additional licence is required for every additional system administrator. Order this product when you require an additional license for the Terminal Server edition of the SiPass Entro software.</p>	P54511-P4-A1
TG- USB..	 <p>Enrolment reader kit</p> <p>This reader kit consists of one of the PR500 proximity readers, a desk stand and a USB-RIF/2 interface.</p> <p>For further technical information about PR500 readers, see “Readers” section.</p> <p>For further technical information about the USB-RIF/2 interface, see “Accessories” section.</p>	TG- USB..
TG-EM USB	<p>Enrolment reader kit for EM cards and tags</p>	S24246-F8656-A1
TG-Cotag USB	<p>Enrolment reader kit for Cotag cards and tags</p>	S24246-F8657-A1



Type

Order No.

SR34i..



Segment controller

The segment controller is the heart of the SiPass Entro system. It processes all the information in the system and stores the complete database. As a result, the system is robust, easy to maintain and able to operate without a connected PC or server, even when SISTORE DVRs are connected to it. The integrated Web server and flash memory port provide the basis for additional online functions that can be customized for specific customer requirements. The integrated dual port switch makes network installation a simple matter.

SiPass Entro segment controller units can communicate using a wide variety of methods, such as standard RS485, TCP/IP networks or WLAN. These communication channels can also be combined as required. Regardless of the physical network used, 128-bit encryption is always applied.

Communication between point of administration (e.g. PC-client) and segment controller can be established over RS232, modem, TCP/IP networks or WLAN.

The SR34i comes in four different sizes (door capacities): 4, 8, 16 and 32. This makes it very easy to tailor the system to fit the site. A maximum of 16 segment controllers can be used in a single SiPass Entro system.

Interface	Built-in 2-port switches with two RJ45 10/100 Mbit connections for Ethernet. RS232 to PC, printer or modem with a maximum distance of 25 metres. RS485 Global to other SR34i controllers. RS485 Local to door controllers. Expansion slot for memory card CF8 (compact flash).
Operating voltage	8-40 VDC 8-30 VAC
Current consumption	Power save 12V: 1.62 W Full on 12V: 2.89 W Power save 24V: 1.68 W Full on 24 V: 2.76 W
Door capacity	4-32
Operating temperature	0 to +50 °C
Environment	Indoor use only
Housing	Plastic housing for wall mounting
Colour	White
Dimensions (W x H x D)	248 x 182 x 66 mm
Weight	0.98 kg

SR34i..

SR34i/4

Segment controller for 4 doors

S24246-C8451-A1

SR34i/8

Segment controller for 8 doors


S24246-C8452-A1

SR34i/16

Segment controller for 16 doors

S24246-C8453-A1

SiPass Entro Controller


Type	Order No.																				
SR34i/32 Segment controller for 32 doors	S24246-C8454-A1																				
<div data-bbox="113 465 181 488"> SR35i.. </div> <div data-bbox="148 607 336 775">  </div> <div data-bbox="392 465 826 488"> Segment controller with wireless capability </div> <div data-bbox="392 510 1053 719"> <p>The segment controller is the heart of the SiPass Entro system. It processes all the information in the system and stores the complete database. As a result, the system is robust, easy to maintain and able to operate without a connected PC or server, even when SISTORE DVRs are connected to it. The integrated Web server and flash memory port provide the basis for additional online functions that can be customized for specific customer requirements. The integrated dual port switch makes network installation a simple matter.</p> </div> <div data-bbox="392 748 1053 875"> <p>SiPass Entro segment controller units can communicate using a wide variety of methods, such as standard RS485, TCP/IP networks or WLAN. These communication channels can also be combined as required. Regardless of the physical network used, 128-bit encryption is always applied.</p> </div> <div data-bbox="392 909 1053 981"> <p>Communication between point of administration (e.g. PC-client) and segment controller can be established over RS232, modem, TCP/IP networks or WLAN.</p> </div> <div data-bbox="392 1014 1053 1086"> <p>The SR35i comes in four different sizes (door capacities), which makes it very easy to tailor the system to fit the site. A maximum of 16 segment controllers can be used in a single SiPass Entro system.</p> </div> <div data-bbox="392 1120 1053 1169"> <p>The SR35i includes built-in RF technology to support online wireless components (currently the RF30-EM Codoor and the RF9 router).</p> </div> <div data-bbox="392 1202 1053 1274"> <p>The sizes (door capacities) are 4+4, 8+8, 16+16 and 32+32, meaning that each segment controller can manage the same number of wired doors as wireless doors (e.g. four wired doors and four wireless doors).</p> </div> <div data-bbox="392 1317 1053 1962"> <table border="0"> <tr> <td data-bbox="392 1317 478 1339">Interface</td> <td data-bbox="719 1317 1053 1581"> Built-in 2-port switches with two RJ45, 10/100 Mbit connections for Ethernet. RS232 to PC, printer or modem with a maximum distance of 25 meters. RS485 Global to other SR35i controllers. RS485 Local to door controllers. Wireless to RF30-EM & RF9 router. Expansion slot for CF8 (compact flash). </td> </tr> <tr> <td data-bbox="392 1588 564 1610">Operating voltage</td> <td data-bbox="719 1588 810 1637"> 8-40 VDC 8-30 VAC </td> </tr> <tr> <td data-bbox="392 1644 596 1666">Current consumption</td> <td data-bbox="719 1644 948 1749"> Power save 12V: 2.26 W Full on 12V: 3.13 W Power save 24V: 2.25 W Full on 24V: 3.12 W </td> </tr> <tr> <td data-bbox="392 1756 523 1778">Door capacity</td> <td data-bbox="719 1756 999 1778">4-32 wired plus 4-32 wireless</td> </tr> <tr> <td data-bbox="392 1785 612 1807">Operating temperature</td> <td data-bbox="719 1785 826 1807">0 to +50 °C</td> </tr> <tr> <td data-bbox="392 1814 517 1836">Environment</td> <td data-bbox="719 1814 868 1836">Indoor use only</td> </tr> <tr> <td data-bbox="392 1843 472 1865">Housing</td> <td data-bbox="719 1843 1034 1865">Plastic housing for wall mounting</td> </tr> <tr> <td data-bbox="392 1872 456 1895">Colour</td> <td data-bbox="719 1872 775 1895">White</td> </tr> <tr> <td data-bbox="392 1901 612 1924">Dimensions (W x H x D)</td> <td data-bbox="719 1901 906 1924">248 x 182 x 66 mm</td> </tr> <tr> <td data-bbox="392 1930 464 1953">Weight</td> <td data-bbox="719 1930 791 1953">0.98 kg</td> </tr> </table> </div>	Interface	Built-in 2-port switches with two RJ45, 10/100 Mbit connections for Ethernet. RS232 to PC, printer or modem with a maximum distance of 25 meters. RS485 Global to other SR35i controllers. RS485 Local to door controllers. Wireless to RF30-EM & RF9 router. Expansion slot for CF8 (compact flash).	Operating voltage	8-40 VDC 8-30 VAC	Current consumption	Power save 12V: 2.26 W Full on 12V: 3.13 W Power save 24V: 2.25 W Full on 24V: 3.12 W	Door capacity	4-32 wired plus 4-32 wireless	Operating temperature	0 to +50 °C	Environment	Indoor use only	Housing	Plastic housing for wall mounting	Colour	White	Dimensions (W x H x D)	248 x 182 x 66 mm	Weight	0.98 kg	SR35i..
Interface	Built-in 2-port switches with two RJ45, 10/100 Mbit connections for Ethernet. RS232 to PC, printer or modem with a maximum distance of 25 meters. RS485 Global to other SR35i controllers. RS485 Local to door controllers. Wireless to RF30-EM & RF9 router. Expansion slot for CF8 (compact flash).																				
Operating voltage	8-40 VDC 8-30 VAC																				
Current consumption	Power save 12V: 2.26 W Full on 12V: 3.13 W Power save 24V: 2.25 W Full on 24V: 3.12 W																				
Door capacity	4-32 wired plus 4-32 wireless																				
Operating temperature	0 to +50 °C																				
Environment	Indoor use only																				
Housing	Plastic housing for wall mounting																				
Colour	White																				
Dimensions (W x H x D)	248 x 182 x 66 mm																				
Weight	0.98 kg																				

SiPass Entro Controller



Type		Order No.
SR35i/4+4	Segment controller for 4 wired + 4 wireless doors	S54507-C1-A1
SR35i/8+8	Segment controller for 8 wired + 8 wireless doors	S54507-C1-A2
SR35i/16+16	Segment controller for 16 wired + 16 wireless doors	S54507-C1-A3
SR35i/32+32	Segment controller for 32 wired + 32 wireless doors	S54507-C1-A4

SiPass Entro Door Modules

Type	Order No.																										
DC01	S24246-C8500-A1																										
	<p data-bbox="392 331 775 353">Door controller for use without reader</p> <p data-bbox="392 376 1054 562">The DC01 is designed to monitor and control one door in a SiPass Entro system. When it is connected to a door it continuously reports the status of that door (open or closed) to the system, which increases the level of security in the building. The DC01 cannot be connected to a reader. However, it can be used to unlock the door and thereby grant access to the public, for example, during certain times of the day or week, based on timer settings in the SiPass Entro system.</p> <table border="0" data-bbox="392 600 1054 1200"> <tr> <td data-bbox="392 600 480 622">Interface</td> <td data-bbox="719 600 1054 651">To segment controller: RS485 system com bus</td> </tr> <tr> <td data-bbox="392 656 564 678">Operating voltage</td> <td data-bbox="719 656 975 678">8 to 40 VDC or 8 to 30 VAC</td> </tr> <tr> <td data-bbox="392 683 584 705">Power consumption</td> <td data-bbox="719 683 983 790">Power save 12V DC: 0.24 W Full on 12V DC: 0.72 W Power save 24V DC: 0.48 W Full on 24V DC: 1.44 W</td> </tr> <tr> <td data-bbox="392 795 453 817">Inputs</td> <td data-bbox="719 795 1054 902">Exit button request with delay. Door contact for indicating closed/open door. Tamper switch for internal control.</td> </tr> <tr> <td data-bbox="392 907 472 929">Outputs</td> <td data-bbox="719 907 1054 958">Voltage-free relay contact, max. 2 A, 30 V</td> </tr> <tr> <td data-bbox="392 963 533 985">Tamper switch</td> <td data-bbox="719 963 751 985">Yes</td> </tr> <tr> <td data-bbox="392 990 612 1012">Operating temperature</td> <td data-bbox="719 990 847 1012">-35 to +50 °C</td> </tr> <tr> <td data-bbox="392 1016 517 1039">Environment</td> <td data-bbox="719 1016 868 1039">Indoor use only</td> </tr> <tr> <td data-bbox="392 1043 472 1066">Housing</td> <td data-bbox="719 1043 823 1066">Plastic box</td> </tr> <tr> <td data-bbox="392 1070 456 1093">Colour</td> <td data-bbox="719 1070 775 1093">White</td> </tr> <tr> <td data-bbox="392 1097 612 1120">Dimensions (W x H x D)</td> <td data-bbox="719 1097 895 1120">120 x 80 x 40 mm</td> </tr> <tr> <td data-bbox="392 1124 456 1146">Weight</td> <td data-bbox="719 1124 791 1146">0.16 kg</td> </tr> <tr> <td data-bbox="392 1151 472 1173">Approval</td> <td data-bbox="719 1151 743 1173">CE</td> </tr> </table>	Interface	To segment controller: RS485 system com bus	Operating voltage	8 to 40 VDC or 8 to 30 VAC	Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.72 W Power save 24V DC: 0.48 W Full on 24V DC: 1.44 W	Inputs	Exit button request with delay. Door contact for indicating closed/open door. Tamper switch for internal control.	Outputs	Voltage-free relay contact, max. 2 A, 30 V	Tamper switch	Yes	Operating temperature	-35 to +50 °C	Environment	Indoor use only	Housing	Plastic box	Colour	White	Dimensions (W x H x D)	120 x 80 x 40 mm	Weight	0.16 kg	Approval	CE
Interface	To segment controller: RS485 system com bus																										
Operating voltage	8 to 40 VDC or 8 to 30 VAC																										
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Inputs	Exit button request with delay. Door contact for indicating closed/open door. Tamper switch for internal control.																										
Outputs	Voltage-free relay contact, max. 2 A, 30 V																										
Tamper switch	Yes																										
Operating temperature	-35 to +50 °C																										
Environment	Indoor use only																										
Housing	Plastic box																										
Colour	White																										
Dimensions (W x H x D)	120 x 80 x 40 mm																										
Weight	0.16 kg																										
Approval	CE																										



Type

Order No.

DC12

Door controller for use with reader(s)

S24246-C8502-A1




The DC12 is designed to monitor and control one door in a SiPass Entro or SiPass integrated system. When BC-Link is used, a single DC12 can support two readers and thereby control both entries and exits to a restricted area (anti-passback).

The DC12 includes an integrated status display window to simplify installation and service. It is compatible both with SiPass readers and with most third-party readers that support Wiegand and Clock&Data standards.

Interface	To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst) To controller: RS485 system com bus
Operating voltage	8 to 40 VDC, 8 to 30 VAC
Power consumption	Without reader Power save 12V DC: 0.59 W Full on 12V DC: 0.76 W Power save 24V DC: 0.63 W Full on 24V DC: 0.79 W
Inputs	Exit button request with delay. Door contact for indicating closed/open door
Outputs	Voltage-free relay contact, max. 2 A, 30 V.
Tamper switch	Integrated
Operating temperature	-35 to +50 °C
Environment	Indoor use only
Housing	Wall-mounted composite housing
Colour	White
Dimensions (W x H x D)	250 x 128 x 54 mm
Weight	0.5 kg
Approval	CE

SiPass Entro Door Modules

Type	Order No.																										
DC22	S24246-C8503-A1																										
	<p>Door controller with alarm control functions</p> <p>The DC22 is designed to monitor and control one door in a SiPass Entro or SiPass integrated system. When BC-Link is used, a single DC22 can support two readers and thereby control both entries and exits to a restricted area (anti-passback).</p> <p>The DC22 includes an integrated status display window to simplify installation and service. It is compatible both with SiPass readers and with most third-party readers that support Wiegand and Clock&Data standards.</p> <p>The major difference between the DC12 and the DC22 is that the DC22 has additional inputs/outputs that support advanced alarm control functions, e.g. alarm status feedback (ASF). These are essential when integration with an intrusion detection system is required. The DC22 also has two outputs for electric locks (day/night lock) as well as separate inputs for open/closed and unlocked/locked door.</p> <p>Note: The intrusion and ASF functions of the DC22 are only available in SiPass Entro.</p> <table border="0"> <tr> <td data-bbox="392 913 478 936">Interface</td> <td data-bbox="719 913 1050 1048">To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst). To controller: RS485 system com bus.</td> </tr> <tr> <td data-bbox="392 1055 564 1077">Operating voltage</td> <td data-bbox="719 1055 954 1077">8 to 40 VDC, 8 to 30 VAC</td> </tr> <tr> <td data-bbox="392 1084 584 1106">Power consumption</td> <td data-bbox="719 1084 979 1218">Without reader Power save 12V DC: 0.65 W Full on 12V DC: 1.38 W Power save 24V DC: 0.68 W Full on 24V DC: 1.41 W</td> </tr> <tr> <td data-bbox="392 1225 453 1247">Inputs</td> <td data-bbox="719 1225 1053 1404">Exit button request with delay. Door contact for indicating closed/open door. Lock status sensor for indicating locked/unlocked door. Alarm bypass activating from a button or a timer. Alarm Status Feedback (ASF). Indication of alarm status (red LED).</td> </tr> <tr> <td data-bbox="392 1411 472 1433">Outputs</td> <td data-bbox="719 1411 1053 1724">Voltage-free change over contact (lock relay), max. 2 A, 30V. Voltage-free closing contact (motorlock relay), max. 2 A, 30V. Voltage-free change over contact (alarm bypass relay), max. 2 A, 30V. Voltage-free closing contact (door held warning relay), max. 2 A, 30V. Voltage-free closing contact (pre-warning relay), max. 2 A, 30V. Voltage-free closing contact (alert relay), max. 2 A, 30V.</td> </tr> <tr> <td data-bbox="392 1731 533 1753">Tamper switch</td> <td data-bbox="719 1731 820 1753">Integrated</td> </tr> <tr> <td data-bbox="392 1760 612 1783">Operating temperature</td> <td data-bbox="719 1760 847 1783">-35 to +50 °C</td> </tr> <tr> <td data-bbox="392 1789 517 1812">Environment</td> <td data-bbox="719 1789 868 1812">Indoor use only</td> </tr> <tr> <td data-bbox="392 1818 472 1841">Housing</td> <td data-bbox="719 1818 1038 1841">Wall-mounted composite housing</td> </tr> <tr> <td data-bbox="392 1848 456 1870">Colour</td> <td data-bbox="719 1848 778 1870">White</td> </tr> <tr> <td data-bbox="392 1877 616 1899">Dimensions (W x H x D)</td> <td data-bbox="719 1877 906 1899">248 x 182 x 55 mm</td> </tr> <tr> <td data-bbox="392 1906 456 1928">Weight</td> <td data-bbox="719 1906 778 1928">0.7 kg</td> </tr> <tr> <td data-bbox="392 1935 472 1957">Approval</td> <td data-bbox="719 1935 746 1957">CE</td> </tr> </table>	Interface	To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst). To controller: RS485 system com bus.	Operating voltage	8 to 40 VDC, 8 to 30 VAC	Power consumption	Without reader Power save 12V DC: 0.65 W Full on 12V DC: 1.38 W Power save 24V DC: 0.68 W Full on 24V DC: 1.41 W	Inputs	Exit button request with delay. Door contact for indicating closed/open door. Lock status sensor for indicating locked/unlocked door. Alarm bypass activating from a button or a timer. Alarm Status Feedback (ASF). Indication of alarm status (red LED).	Outputs	Voltage-free change over contact (lock relay), max. 2 A, 30V. Voltage-free closing contact (motorlock relay), max. 2 A, 30V. Voltage-free change over contact (alarm bypass relay), max. 2 A, 30V. Voltage-free closing contact (door held warning relay), max. 2 A, 30V. Voltage-free closing contact (pre-warning relay), max. 2 A, 30V. Voltage-free closing contact (alert relay), max. 2 A, 30V.	Tamper switch	Integrated	Operating temperature	-35 to +50 °C	Environment	Indoor use only	Housing	Wall-mounted composite housing	Colour	White	Dimensions (W x H x D)	248 x 182 x 55 mm	Weight	0.7 kg	Approval	CE
Interface	To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst). To controller: RS485 system com bus.																										
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Colour	White																										
Dimensions (W x H x D)	248 x 182 x 55 mm																										
Weight	0.7 kg																										
Approval	CE																										



Type

Order No.

PD30-EM

Prox Codoor – Scandinavian lock case standard

S24246-F8504-A1




PD30-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD30-EM is mounted directly onto a standard lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.

PD30-EM is suitable for lock cases with a distance of between 105 mm and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed for use with Scandinavian lock cases.

Supplied with	Dropbox and a five metre cable
Operating voltage	8 to 40 VDC 8 to 30 VAC
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card read distance	Up to 3 cm with passive card
Indicators	3 x LED (red/yellow/green)
Keypad	No
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP30
Housing	Stainless steel housing with ABS base reader head
Colour	Stainless steel
Dimensions (W x H x D)	64 x 245 x 47 mm
Weight	0.85 kg
Approval	CE

SiPass Entro Door Modules

Type	Order No.																														
PD40-EM 	S24246-F8505-A1																														
Prox Codoor - European lock case standard																															
<p>PD40-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD40-EM is mounted directly onto a standard European lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.</p>																															
<p>PD40-EM is suitable for lock cases with a distance of 72 mm between the center of the door handle and the center of the lock cylinder. It is designed for the European standard lock case, following the DIN 18251 standard.</p>																															
<table> <tr> <td>Supplied with</td> <td>Dropbox and a five metre cable</td> </tr> <tr> <td>Operating voltage</td> <td>8 to 40 VDC 8 to 30 VAC</td> </tr> <tr> <td>Power consumption</td> <td>Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W</td> </tr> <tr> <td>Card technology</td> <td>EM4102 (also known as Miro or UNIQUE 125 KHz)</td> </tr> <tr> <td>Card read distance</td> <td>Up to 3 cm with passive card</td> </tr> <tr> <td>Indicators</td> <td>3 x LED (red/yellow/green)</td> </tr> <tr> <td>Keypad</td> <td>No</td> </tr> <tr> <td>Operating temperature</td> <td>0 to +50 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor use only</td> </tr> <tr> <td>IP rating</td> <td>IP30</td> </tr> <tr> <td>Housing</td> <td>Stainless steel housing with ABS base reader head</td> </tr> <tr> <td>Colour</td> <td>Stainless steel</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>70 x 255 x 54 mm</td> </tr> <tr> <td>Weight</td> <td>0.9 kg</td> </tr> <tr> <td>Approval</td> <td>CE</td> </tr> </table>	Supplied with	Dropbox and a five metre cable	Operating voltage	8 to 40 VDC 8 to 30 VAC	Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	Card read distance	Up to 3 cm with passive card	Indicators	3 x LED (red/yellow/green)	Keypad	No	Operating temperature	0 to +50 °C	Environment	Indoor use only	IP rating	IP30	Housing	Stainless steel housing with ABS base reader head	Colour	Stainless steel	Dimensions (W x H x D)	70 x 255 x 54 mm	Weight	0.9 kg	Approval	CE	
Supplied with	Dropbox and a five metre cable																														
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Colour	Stainless steel																														
Dimensions (W x H x D)	70 x 255 x 54 mm																														
Weight	0.9 kg																														
Approval	CE																														



Type

Order No.

RF30-EM

Wireless Codoor – Scandinavian lock case standard

S54501-F2-A1



RF30-EM is a Codoor unit that can be used either as a standalone product or as a wireless component in a SiPass Entro system. It contains a reader, keypad, controller, lock mechanism and power supply, all in a single housing. It is designed to be mounted directly on an interior door.

In standalone mode it is possible to store up to 250 cards and do administration using the built-in keypad.

In system mode the RF30-EM is fully online and functions in the same way that the wired doors in the SiPass Entro system do. The wireless functionality operates on a 2.4 GHz license-free frequency band using the Zigbee protocol. The maximum distance between an RF30-EM and the SR35i controller is 25 meters. For distances greater than 25 meters the RF9 router is required (see the SiPass Entro section for more information about RF9.)

It is easy to set up RF30-EM as part of a SiPass Entro system by using the installation mode, which indicates the signal strength and reliability of the wireless network.

RF30-EM is suitable for lock cases with a distance of between 105 and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed for use with standard Scandinavian lock cases.

Operating voltage	Two 9V type 6LR61 batteries (not included)
Operational time	Approx. one year
Card technology	EM4102 (also known as Miro or Unique 125 kHz)
Card capacity	Online mode: Set by SiPass Entro Offline mode: 250 cards Standalone mode: 250 cards
Card read distance	Up to 3 cm
Frequency band	2.4 GHz
Indicators	3 x LED (red/yellow/green) 1 x buzzer
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP30
Colour	Stainless steel
Dimensions (W x H x D)	64 x 285 x 59 mm
Weight	0.76 kg
Approval	CE

SiPass Entro Door Modules

Type	Order No.
<p>RF9</p>  <p>Wireless router</p> <p>RF9 extends the radio link between the SR35i and the RF30-EM. It also acts as a tool for measuring radio coverage. It includes three LEDs to indicate signal strength and communication quality.</p> <p>Battery For test purposes 9 V. Type: 6LR61</p> <p>Operating voltage 8 to 30 VAC 8 to 40 VDC</p> <p>Current consumption Average: 40 mA Peak: 110 mA (8 VDC)</p> <p>Frequency band 2.4 GHz</p> <p>Indicators 3 x LED (red/yellow/green)</p> <p>Operating temperature -10 to +55 °C</p> <p>Environment Indoor use only</p> <p>IP rating IP30</p> <p>Colour Off-white, RAL9002</p> <p>Dimensions (Ø x H) 110 x 48 mm (with socket)</p> <p>Weight 0.10 kg</p> <p>Approval CE</p>	<p>S54505-B1-A1</p>



Type

Order No.

IOR6

IO relay central

S24246-C8501-A1




IOR6 is a general relay central designed for use with SiPass Entro and SiPass integrated. Its four inputs and six outputs can be used for applications such as common alarm outputs, fire alarm inputs, elevator control, machine control or door control (in reservation applications). IOR6 can also be used for timer functions.

Please note in a SiPass Entro system, a maximum of 32 IOR6 units can be used for elevator control (for up to 192 floors). For other purposes, as many as 512 IOR6 units can be used in a SiPass Entro system; note, however, that the combined number of doors and IOR6 units connected to a single SiPass Entro system cannot exceed 512.

Interface	To segment controller: RS485 system com bus.
Operating voltage	8-40 VDC 8-30 VAC
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 1.57 W Power save 24V DC: 0.26 W Full on 24V DC: 2.57 W
Inputs	Four remote control inputs. Tamper switch for internal alarm.
Outputs	Two voltage-free change over relay contacts, max. 0.9 A, 60 V (2 A, 30 V). Four voltage-free closing relay contacts, max. 0.9 A, 60 V (2 A, 30 V). Six extra outputs which operate in parallel with above.
Tamper switch	Yes
Operating temperature	-35 to +50 °C
Environment	Indoor use only
Housing	Wall-mounted composite housing
Colour	White
Dimensions (W x H x D)	248 x 182 x 55 mm
Weight	0.7 kg
Approval	CE

SiPass Entro Terminals

Type	Order No.
<p>IP811..</p> 	<p>IP811..</p>
<p>InfoPoint</p>	
<p>InfoPoint is used as a reservation terminal for SiPass Entro and has an integrated function to send and receive information from/to the segment controller (acting as a web server). The InfoPoint uses TCP/IP and works similarly to a web browser in a PC. InfoPoint is supplied with a wall mount kit and a power supply cable (with free end and an RJ45 type of connector). The terminal includes a colour screen and keys for navigating. InfoPoint also has a proximity reader to identify the person who wants to use the unit (either Cotag or EM reading technology).</p>	
<p>Interface</p>	<p>Standard TCP/IP LAN connection, 10BaseT connector. Type RJ45.</p>
<p>Operating voltage</p>	<p>12 to 35 VAC/DC</p>
<p>Current consumption</p>	<p>350 mA</p>
<p>Screen</p>	<p>Colour TFT screen with the resolution 400 x 240 and 256 colours.</p>
<p>Operating temperature</p>	<p>+5 to +40 °C °C</p>
<p>Environment</p>	<p>Indoor use only</p>
<p>Housing</p>	<p>Robust housing in aluminium and composite and a strong polycarbonate film is covering the TFT-screen. Use the BB7 flush mounting unit when flush mounting the InfoPoint.</p>
<p>Dimensions (W x H x D)</p>	<p>350 x 154 x 52 mm</p>
<p>IP811-EM</p>	<p>S24246-C8553-A1</p>
<p>InfoPoint with integrated EM reader</p>	
<p>IP811-Cotag</p>	<p>S24246-C8554-A1</p>
<p>InfoPoint with integrated Cotag reader</p>	
<p>CF8</p> 	<p>S24246-Z8651-A1</p>
<p>Memory card</p>	
<p>CF8 is a memory card for the web-based reservation feature in SiPass Entro. It is an accessory to be mounted in one of the segment controllers. It is shipped configured for reservation functions in SiPass Entro.</p>	



Type

Order No.

AK2100-CO

SiPass Entro Cotag Starter Kit for two doors

The SiPass Entro Cotag Starter Kit includes everything you need to set up a two-door access control system. This kit can easily be complemented with one or more door kits to create a larger access control system.

Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.

The kit includes:

- One four-door segment controller
- SiPass Entro software – Standard edition
- Two DC12 door controllers
- Two PR500-Cotag proximity readers
- Twenty Cotag cards



S54507-S12-A1

AK2110-CO

SiPass Entro PR500-Cotag Door Kit

SiPass Entro PR500-Cotag Door Kit includes:

- One DC12 door controller
- One PR500-Cotag proximity reader

Note: Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.



S54507-S4-A1

AK2100-EM

SiPass Entro EM Starter Kit for two doors

The SiPass Entro EM Starter Kit includes everything you need to set up a two-door access control system. This kit can easily be complemented with one or more door kits to create a larger access control system.

The starter kit includes:

- One four-door segment controller
- SiPass Entro software – Standard edition
- Two DC12 door controllers
- Two PR500-EM proximity readers
- Twenty EM cards



S54507-S2-A5

AK2110-EM

SiPass Entro PR500-EM Door Kit



The PR500-EM Door Kit includes:

- One DC12 door controller
- One PR500-EM reader



S54507-S2-A6

SiPass Entro Kits

Type	Order No.
AK2200  <p>The SiPass Entro Controller Kit includes:</p> <ul style="list-style-type: none">• One four-door segment controller• SiPass Entro software - Standard edition	S54507-S8-A1
AK2110-MX  <p>The AR6111-MX Mifare Door Kit includes:</p> <ul style="list-style-type: none">• One DC12 door controller• One AR6111-MX reader	S54507-S3-A1



This warehouse contains our highest value goods, how can I protect them, yet give people access to move them?

Using interoperable access control, intrusion detection and video surveillance systems.

Access control rights allow you in, automatically disabling the alarm system and simultaneously recording everything via the video surveillance system – all displayed and controlled via one screen.
www.siemens.com/interoperability

Answers for infrastructure.

SIEMENS

SiPass integrated...

... Achieve the perfect
balance between
security and accessibility.



SiPass integrated



Tailor-made security systems for demanding organizations of any size

SiPass® integrated is a powerful and almost infinitely flexible access control system that provides a very high level of security without compromising convenience and ease of use for system users. It is designed to meet access control needs that range in complexity from medium to very high.

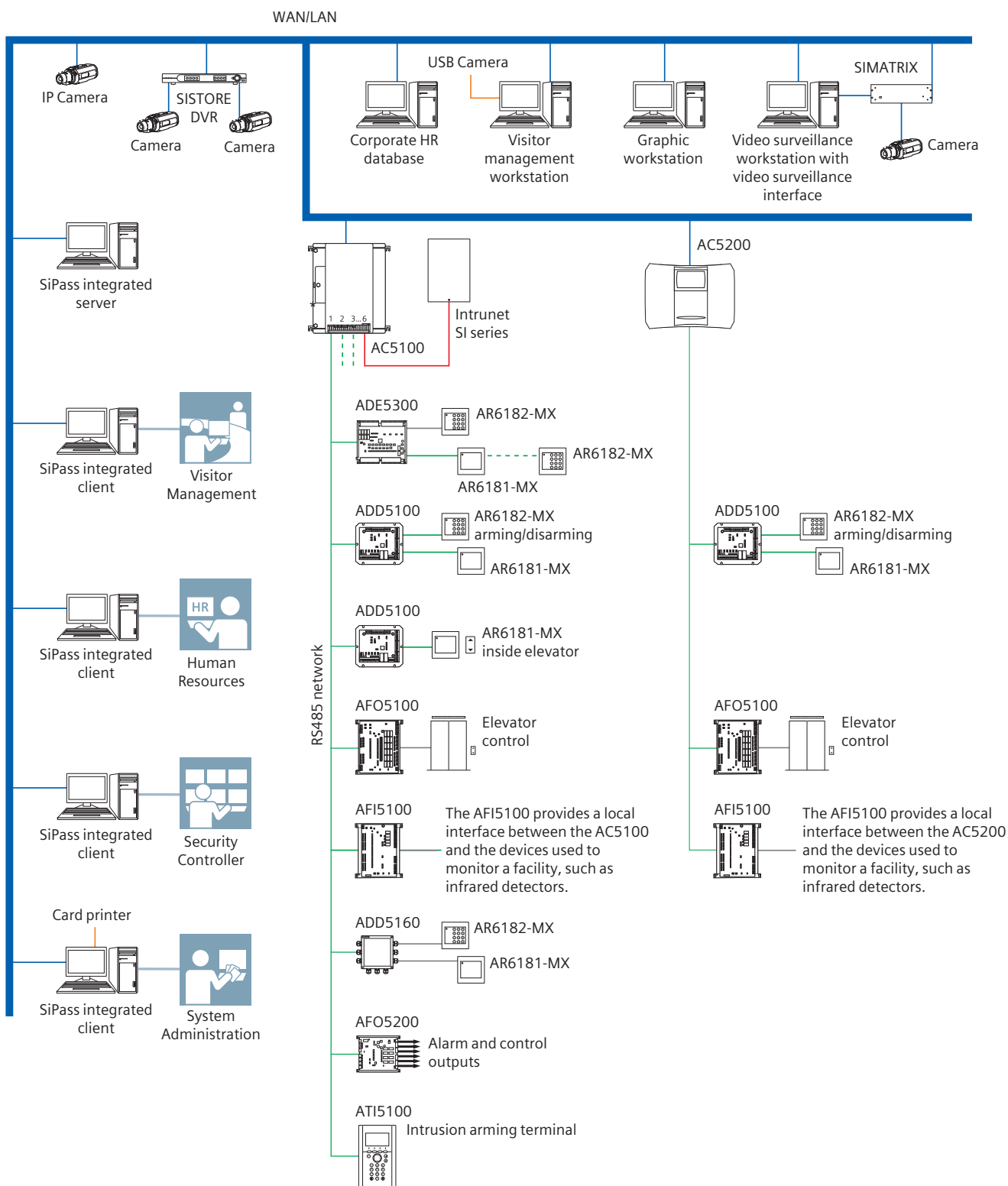
SiPass integrated can be used to manage access to anything from a single low-rise office or residential building with just a few doors to massive high-rise complexes with tens of thousands of doors, gates, barriers and elevators at multiple sites around the globe. It also fully supports the integration of video surveillance, intrusion detection and fire alarm systems – either Siemens' own or third-party – thereby creating a total security solution.

For applications that require full availability, it is possible to load the SiPass integrated software onto a Marathon everRun FT server. The result is an access control system that is completely immune to server failures.

System highlights

- Virtually unlimited number of cardholders and controllers to suit any facility size
- Supports a broad range of readers – various technologies/manufacturers
- Intuitively designed software that is easy to use and administer
- Modular system architecture enables tailoring to suit the needs of any facility
- Operates in an existing IT environment using TCP/IP over WAN/LAN
- Advanced card management, multimedia alarm handling, video surveillance user interface and complete event logging in a single system
- Support for offline components (doors)

SiPass integrated Diagrams



* One of the six ports on the AC5100 is a multi-purpose IS interface that can be used for Intrunet SI series, high-level elevator control, Securitel or, if none of these are in use, for any other FLN.

To find out which readers are compatible with SiPass integrated, please refer to the matrix on page 8-2.



Type

Order No.

ASL5000..

SiPass integrated software licenses

The SiPass integrated software is the heart of any SiPass integrated system. The total number of controllers that can be connected is virtually unlimited. The Windows-certified software has a powerful client/server architecture, and it is easy to install and administer via its graphical user interface.

Features such as advanced audit-trail logging, advanced alarm management, anti-passback functionality (including global and workgroup anti-passback), door interlocking, escort control mode, video surveillance and DVR interfaces – as well as Siemens' exclusive custom Wiegand functionality and advanced device firmware download – are all standard in SiPass integrated. A wide variety of other advanced features are also available as add-on options. SiPass integrated also offers the possibility to set up customized interfaces to other applications in order to ensure smooth communication at all times. The software also supports CITRIX and Windows Terminal Services for remote operation, where required.

Standard features of SiPass integrated:

- Time scheduling
- Dynamic graphical status screen
- Instructional alarm response windows
- Full system archiving and restoration
- Advanced reporting tool
- Comprehensive audit-trail logging
- Advanced alarm management
- Anti-passback and roll call
- Workgroup anti-passback
- Partitioning of operator privileges
- Escort control
- Door interlocking
- Real-time event and message logging
- Logon using full password encryption or automatic authentication windows
- Automatic and event-triggered reporting
- Three wrong PIN modes
- Manual system override
- Advanced device firmware download
- Custom Wiegand
- Interoperability with SIMATRIX video surveillance
- Interoperability with SISTORE DVRs
- Interoperability with Intrunet SI400 series
- Support for Siemens RS485 and Clock&Data readers (CerPass protocol)
- Support for most popular reader technologies
- Networking options for global reach
- Upgrade paths for investment protection
- 21CFR Part 11 compliance

Note: The ASL5000 is a software license only. The SiPass integrated software DVD needs to be ordered separately – see ASB5000-xx.


To order the SiPass integrated software license or any of the SiPass integrated core software, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.

ASL5000..

SiPass integrated Core Software

Type	Order No.
<p>ASL5000-ST SiPass integrated software – Starter edition license</p> <p>See ASL5000.. for technical overview and note the additional / other specifications:</p> <p>The Starter edition license includes:</p> <ul style="list-style-type: none"> • 16 doors • 1,000 cards • One SiPass integrated server • One SiPass integrated workstation <p>Note that no options are available with the Starter edition license.</p> <p>Note that ASL5000-ST is a software license only, the SiPass integrated software DVD has to be ordered separately in the language you require. Refer to the list on the following page.</p> <p>To order the ASL5000-ST or any of the SiPass integrated core software, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>S54511-P2-A1</p>
<p>ASL5000-US Upgrade licence - SiPass integrated Starter to SiPass integrated Standard</p> <p>See ASL5000.. for technical overview and note the additional / other specifications:</p> <p>This licence allows the upgrade from SiPass integrated Starter edition to SiPass integrated Standard edition.</p> <p>To order the ASL5000-US or any of the SiPass integrated core software, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AB00</p>
<p>ASL5000-SE SiPass integrated software – Standard edition license</p> <p>See ASL5000.. for technical overview and note the additional / other specifications:</p> <p>Standard edition license includes:</p> <ul style="list-style-type: none"> • 24 doors • 1,000 cards • One SiPass integrated server • One SiPass integrated workstation <p>Note that ASL5000-SE is a software license only, the SiPass integrated software DVD has to be ordered separately in the language you require. Refer to the list on the following page.</p> <p>To order the ASL5000-SE or any of the SiPass integrated core software, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AA10</p>



Type		Order No.
ASL5000-UO	<p>Upgrade licence - SiPass integrated Standard to SiPass integrated Optima</p> <p>See ASL5000.. for technical overview and note the additional / other specifications:</p> <p>This licence allows the upgrade from SiPass integrated Standard edition to SiPass integrated Optima edition.</p> <p>To order the ASL5000-UO or any of the SiPass integrated core software, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AB10
ASL5000-OA	<p>SiPass integrated software – Optima edition license</p> <p>See ASL5000.. for technical overview and note the additional / other specifications:</p> <p>Optima edition license includes:</p> <ul style="list-style-type: none"> • 64 doors • 10,000 cards • One SiPass integrated server • Three SiPass integrated workstations <p>The ASL5000-OA is a software license only, the SiPass integrated software DVD has to be ordered separately in the language you require. Refer to the list below.</p> <p>To order the ASL5000-OA or any of the SiPass integrated core software, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AA20
ASB5000..	<p>SiPass integrated software DVD</p> <p>This DVD contains:</p> <ul style="list-style-type: none"> • SiPass integrated software and documentation • SiPass integrated firmware and installation tool • SiPass integrated hardware documentation • Microsoft SQL Server 2005 Express Edition 	ASB5000..
	<p>SiPass integrated MP2.4 software DVD (English)</p>	6FL7820-8FD10
ASB5000-DE	<p>SiPass integrated MP2.4 software DVD (German)</p>	6FL7820-8FD11
ASB5000-FR	<p>SiPass integrated MP2.4 software DVD (French)</p>	6FL7820-8FD12

SiPass integrated Core Software

Type		Order No.
ASB5000-ES	SiPass integrated MP2.4 software DVD (Spanish)	6FL7820-8FD14
ASB5000-IT	SiPass integrated MP2.4 software DVD (Italian)	6FL7820-8FD17
ASB5000-ZH-CN	SiPass integrated MP2.4 software DVD (Chinese)	S54511-P1-A105
ASB5000-RU	SiPass integrated MP2.4 software DVD (Russian)	S54511-P1-A102
ASB5000-PL	SiPass integrated MP2.4 software DVD (Polish)	6FL7820-8FD15
ASB5000-CS	SiPass integrated MP2.4 software DVD (Czech)	S54511-P1-A101
ASB5000-NL	SiPass integrated MP2.4 software DVD (Dutch)	6FL7820-8FD13
ASB5000-DA	SiPass integrated MP2.4 software DVD (Danish)	6FL7820-8FD16
ASB5000-NO	SiPass integrated MP2.4 software DVD (Norwegian)	S54511-P1-A104
ASB5000-HE	SiPass integrated MP2.35 software DVD (Hebrew)	S54511-P1-A103

SiPass integrated Software Extensions



Type		Order No.
ASE5100-BA	<p>Database extension license for 1,000 cards</p> <p>The ASE5100-BA is a 1,000 card database extension from the initial 1,000 cards that are included in the standard license.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AD10
ASE5100-OC	<p>License for 8 offline components (doors)</p> <p>ASE5100-OC makes it possible to add offline components (doors) to a SiPass integrated system. Please note that the SiPass integrated MP2.5 software is required to support this software extension.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	P54511-P12-A1
ASE5100-DO	<p>Database extension license for 8 doors</p> <p>The ASE5100-DO is an 8-door database extension from the initial 24 doors included in the standard license.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AD20
ASE5100-WS	<p>Additional workstation license</p> <p>The ASE5100-WS is a single workstation extension from the initial workstation included in the standard license. For more than five workstations, Microsoft SQL Server 2005 standard edition software is required and needs to be purchased separately.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE00

SiPass integrated Software Extensions

Type	Order No.
<p>ASE5300-AI</p> <p>APOGEE interface license</p> <p>The APOGEE interface allows you to monitor alarms raised in the SiPass integrated system directly from your APOGEE Insight Workstation, and also acknowledge these alarms from that same workstation without switching systems. This same concept also extends to the monitoring of point states. As a point state in the SiPass integrated system changes, it is communicated to the APOGEE system and can be viewed by the APOGEE operator. This leads to reduced training costs and provides an increase in productivity through assimilated learning of a single environment. It also reduces the chance of error, as the operator only needs to concentrate on one interface to effectively manage two complex systems. When a cardholder badges an access card at a reader configured for access control, the same action can also be linked to the APOGEE system. This allows a cardholder to automatically activate a "Notification Zone". A notification zone allows building comfort system components to be turned on that relate directly to the cardholder. For example, lighting all the areas that lead to the cardholder's workspace and turning on the air conditioning in the cardholder's section of the office. Combine this with the powerful OPC A&E client option available in SiPass integrated and OPC Server in the APOGEE system and you can now achieve bi-directional flow of data. This allows both systems to communicate with each other and operators of either system to monitor alarms regardless of the workstation they are using.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>P24246-P2800-B1</p>
<p>ASE5300-AP</p> <p>Basic HR application programming interface (API) license</p> <p>The Basic HR API enables SiPass integrated to communicate with third-party business applications and exchange common information, which significantly reduces the need to enter identical data into multiple systems.</p> <p>Note: To facilitate seamless communication between the Basic HR API and SiPass integrated, a small amount of software development is required for the third-party application. With the aid of the SiPass integrated HR API Development Guide, this task is relatively simple for a software engineer.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE04</p>



Type	Order No.
<p>ASE5300-CB CCTV third-party interface license</p> <p>SiPass integrated video surveillance offers an interface to a number of video surveillance systems. The settings and configurations for cameras and monitors are directly made from the SiPass integrated system. The image sequences can be displayed from the SiPass integrated graphical user interface (GUI) or a standard CCTV monitor. Using the event control function, camera sequences can be programmed, which are then started automatically with a specific system event. This optional module allows you to upgrade your SiPass integrated client to a video surveillance workstation.</p> <p>Supported matrix switchers:</p> <ul style="list-style-type: none"> • Pelco 9760 • Pelco 9740 • Pelco CM6700 • Pelco CM6800 <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE26</p>
<p>ASE5300-CW CCTV capability on a SiPass integrated workstation license</p> <p>The ASE5300-CW provides the ability to use the SiPass integrated workstation as a CCTV monitoring station. In combination with a video capture card, it is possible to view live CCTV images, control camera movement, and switch cameras from the convenience of the SiPass integrated workstation.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE01</p>
<p>ASE5300-DS License for Data synchronizer tool</p> <p>The Data Synchronizer is a licensable tool for SiPass integrated that allows the user to share cardholder data with a third-party application. This can also be used in conjunction with the Import/Export tool that is freely available in SiPass integrated.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE14</p>
<p>ASE5300-DV Digital video recorder (DVR) third-party interface license</p> <p>The ASE5300-DV software allows the user to control and view live or recorded images from multiple digital video recording (DVR) units connected to the same network as SiPass integrated. It is possible to completely manage the recording and playback features of other manufacturers' DVR systems with this software. Combined with the event and alarm handling functionality, it is possible to trigger immediate recording from DVR cameras in response to alarms or any other system event.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE21</p>

SiPass integrated Software Extensions

Type	Order No.
<p>ASE5300-GP</p> <p>Graphics license</p> <p>The ASE5300-GP software provides security operators with a method of visually monitoring the status of a room, a building or an entire facility and the ability to perform routine tasks with a single click of the mouse button.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE17
<p>ASE5300-GT</p> <p>Guard Tour license</p> <p>Protecting your facility and those that occupy it is critical. Electrical equipment provides superior surveillance, but if unseen by intruders it is not a good deterrent. Guards provide a highly visual security component, and if used correctly provide an excellent intrusion deterrent. SiPass integrated Guard Tour conveniently integrates your access control and security network with a state-of-the-art electronic patrol verification system.</p> <p>Guard Tour uses the same infrastructure as the SiPass integrated system, be it card readers, biometric readers, or any other access or input device. Therefore, there is no need to install additional equipment to monitor guard patrols. In addition, a guard can be tracked as he/she patrols your site. The same device used to indicate his or her position in a tour is also used to unlock doors and turn on alarm systems. This enables guards to generate real-time duress alarms, without arousing suspicion. Guard Tour's advanced functionality allows you to customise tours, assign guards to specific or random tours, impose time constraints, and generate alarms when tour conditions have been breached.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE25
<p>ASE5300-HA</p> <p>Extended HR application programming interface (API) license</p> <p>The Extended HR API is an additional interface that builds upon the Basic HR API (ASE5300-AP). The Extended HR API makes it possible to perform advanced functions from a third-party application such as providing a cardholder with access privileges or assigning a visitor with a temporary access profile.</p> <p>Note: To facilitate seamless communication between the Extended HR API and SiPass integrated, a small amount of software development is required for the third-party application. With the aid of the SiPass integrated Extended HR API Development Guide, this task is relatively simple for a software engineer.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	P24246-P2805-A1



Type	Order No.
<p>ASE5300-HL</p> <p>High-level elevator management interface license</p> <p>The generic high-level elevator interface (HLI) allows any facility to create a link between their SiPass integrated system and their elevator management system (EMS) for the purpose of controlling access to floors. Once you have configured your system, the HLI allows you to manage which cardholders are provided with access to which floors and the times of the day they are permitted to have this access. To ensure that the HLI is compatible with any commercially available EMS, a generic elevator protocol is available. This protocol provides all the common commands used by elevator management systems to control access.</p> <p>Note: Each site must create its own protocol translator to interface SiPass integrated with their local EMS.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE07
<p>ASE5300-ID</p> <p>Photo ID and image verification license</p> <p>The ASE5300-ID software enables the system to quickly and easily capture cardholder photographs and print a personalised access card that includes the photo for each cardholder. This ability to combine cardholder photographs with their access and personal information strengthens any security system. Within minutes it is possible to construct a custom-designed card template, complete with company logo, photograph and signature, plus eye-catching graphics.</p> <p>This module also enables live-image verification for enhanced security. In snapshot mode, an image is captured from a video surveillance camera for comparison with a cardholder photo. In host-verification mode, access to the door is controlled by the SiPass integrated operator.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE02
<p>ASE5300-IN</p> <p>SiPass integrated intrusion option license</p> <p>The intrusion module in SiPass integrated provides native intrusion detection functionality. When it is installed, motion detectors can be connected directly to SiPass integrated and the system can be used both as an access control system and an intrusion detection system. The same card readers are then used both for access control purposes and to turn the intrusion detection system on and off. Alternatively, in cases where a certified intrusion detection system is required, the intrusion module can be used to integrate a dedicated Intrunet SI400 series intrusion control panel into a SiPass integrated system. It is also possible for existing Intrunet SI400 series customers to use the SiPass integrated intrusion module to add a fully featured access control application to their suite of building management tools.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	P24246-P2801-A1

SiPass integrated Software Extensions

Type	Order No.
<p>ASE5300-LE</p> <p>Low-level elevator management license</p> <p>Elevator systems pose a unique challenge to a secure facility. The access control system must simultaneously provide a integrated interface to both the elevator management system (EMS) and the security operator for effective access control to floors.</p> <p>With the SiPass integrated low-level interface, the SiPass integrated advanced central controller operates as the elevator controller. Output point modules operate as the hardware interface, handling access at up to 16 floors per unit, and providing fire override (FOR) notification.</p> <p>Configuring access control for an elevator system is a completely transparent process. SiPass integrated simply extends the same concepts governing door access to floors, using a consistent and intuitive graphical user interface.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE06
<p>ASE5300-MA</p> <p>Management station application programming interface (API) license</p> <p>The Management Station Application Programming Interface (API) allows you to integrate SiPass integrated alarms and monitoring with existing building management solutions. This provides the opportunity to create a seamless connection for all your building monitoring needs. You can achieve an effective solution by overseeing and manually commanding all of your SiPass integrated devices via a third-party building management application.</p> <p>Note: To facilitate seamless communication between the Management Station API and SiPass integrated, a small amount of software development is required for the third-party application. With the aid of the SiPass integrated Management Station API Development Guide, this task is relatively simple for a software engineer.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	P24246-P2803-A1
<p>ASE5300-ME</p> <p>Mifare encoding license</p> <p>In many cases it is convenient to be able to use ID cards not only for access control but also for other applications. By using the SiPass Mifare encoding option, cards used for other applications, such as cashless payment for goods or food within company facilities, for example, can also be used for access control.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE20



Type	Order No.
<p>ASE5300-MF Message forwarding license</p> <p>Providing security around the clock is a challenge for every facility. The high cost of employing security guards overnight is prohibitive, but the risks of potential security breaches when the site is unmanned are huge. The SiPass integrated message forwarding option solves this problem. The ASE5300-MF messaging allows the system to automatically send custom text messages to pagers*, mobile telephones* or by e-mail. Using the latest telecommunication technology, it is possible to notify key personnel, who may otherwise be absent from a premises, when security has been breached. This allows a timely and appropriate response to any alarm situation.</p> <p>ASE5300-MF software can also forward alarms and messages to the central controlling software of other SiPass integrated servers that reside on the same LAN/WAN. If a business with a SiPass integrated system is not manned, alarms can be automatically forwarded to a location with security operators who are monitoring SiPass integrated based activity.</p> <p>*Ask your service provider about compatibility.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE03</p>
<p>ASE5300-MM MM8000 interface license</p> <p>Security at any facility extends beyond just the physical entrances and exits. A high security facility today provides a safe environment in which to work including access control, video surveillance, alarm management, and protection against the threat of fire. The SiPass integrated MM8000 interface allows your access control system to seamlessly integrate with an advanced danger management system providing a single location for monitoring all your security and safety needs.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>P24246-P2802-A1</p>
<p>ASE5300-OC OPC client license</p> <p>The OPC client makes it possible to connect to OPC servers so that SiPass integrated can receive alarm and event information from other systems, creating a single application for real-time monitoring and notification. Once a message is received, SiPass integrated displays it within its own graphical user interface (GUI), which means that the operator does need not change applications to view it.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE13</p>
<p>ASE5300-OS OPC server interface license</p> <p>The OPC server interface makes it possible to broadcast details of SiPass integrated events and alarms to OPC clients such as building management systems and receive acknowledgements from those systems.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	<p>6FL7820-8AE12</p>

SiPass integrated Software Extensions


Type	Order No.
<p>ASE5300-TE Additional site/facility code license</p> <p>SiPass readers are the best choice for use in combination with SiPass integrated software, as they do not require any site or facility code. This is not the case for some third-party readers*, which require this license for each site or facility code.</p> <p>* Please contact your SiPass integrated supplier for further information.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE24
<p>ASE5300-TR Time recording export license</p> <p>The ASE5300-TR time recording export software allows advanced time-handling of employees with access cards. It is possible to use the system to register when employees arrive for work and leave at the end of the day, then have this data exported to an external file. This file can then be used for time-keeping records or payroll systems.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE22
<p>ASE5300-VA DVR application programming interface (API) license</p> <p>Using the DVR API, almost any generic DVR unit can become part of a SiPass integrated system. Many DVR management features are available, such as live image viewing, event-activated recording, image verification, and full PTZ camera movement.</p> <p>Note: To facilitate seamless communication between the DVR API and SiPass integrated, a small amount of software development is required for the third-party application. With the aid of the SiPass integrated DVR API Development Guide, this task is relatively simple for a software engineer.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	P24246-P2804-A1
<p>ASE5300-VM Visitor management license</p> <p>The modern office building is a complex affair. Personnel are often a mixture of permanent, contract and casual employees, each with different access requirements. If you add visitors, who can stay for periods ranging from a few hours to a few months, your cardholder management system can quickly become overloaded with information about both permanent and non-permanent cardholders. This might lead to confusion and inefficiencies in searching for records.</p> <p>SiPass integrated addresses these problems with the visitor management option. With a unique user interface dedicated to capturing visitor details, visitor management graphically separates visitor information while offering exactly the same card encoding, access control and imaging features available to normal cardholders. It also includes an extensive reporting facility for visitor transactions and custom data pages that can be created exclusively for visitor records.</p> <p>To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.</p>	6FL7820-8AE05

SiPass integrated Firmware



Type		Order No.
AEU5000-AF	Firmware upgrade from SR34i/4 to ACC-4 This firmware is used to upgrade an SR34i-4 to an ACC-4 for use with SiPass integrated.	P54511-P7-A1
AEU5000-AE	Firmware upgrade from SR34i/8 to ACC-8 This firmware is used to upgrade an SR34i-8 to an ACC-8 for use with SiPass integrated.	P54511-P8-A1
AEU5000-AS	Firmware upgrade from SR34i/16 to ACC-16 This firmware is used to upgrade an SR34i-16 to an ACC-16 for use with SiPass integrated.	P54511-P9-A1
AEU5000-AT	Firmware upgrade from SR34i/32 to ACC-32 This firmware is used to upgrade an SR34i-32 to an ACC-32 for use with SiPass integrated.	P54511-P10-A1

SiPass integrated Controllers

Type	Order No.																																						
AC5100	6FL7820-8BA10																																						
	<p>Advanced central controller (ACC)</p> <p>The AC5100 advanced central controller can be programmed with up to 500,000 cardholders and up to 96 doors. It has been specially designed for maximum flexibility, and provides six separate field level network (FLN) channels. Each FLN is capable of hosting up to 16 local devices for access control, monitoring input devices or controlling output devices.</p> <p>The ACC also has a diagnostic port that provides a direct connection to its microprocessor to facilitate the download of operating instructions (firmware). Firmware updates can be made without having to visit the controller cabinets. Communication to the host system occurs via a 10/100Mb Ethernet connection. This allows communications over any WAN or LAN where devices on the network can be assigned a unique IP address. This type of communication ensures the fastest possible transaction times between the host system and ACC field panels.</p> <p>The ACC hosts a tamper input that can be used to detect if the cabinet in which it has been mounted has been opened. It also provides an alarm output that can operate a visual or audio alarm when security has been breached.</p> <table border="0"> <tr> <td data-bbox="392 943 612 965">Additional components</td> <td data-bbox="719 943 1046 1021">ACK5100 diagnostic/parameterization cable, ACK5110 cable for modem connection</td> </tr> <tr> <td data-bbox="392 1025 475 1048">Interface</td> <td data-bbox="719 1025 1046 1238"> Communication interfaces: <ul style="list-style-type: none"> • Field Level Network (FLN): 5 x RS485 plus 1 x RS232/RS485/RS422 • Building Level Network (BLN): 10/100 MB Ethernet (RJ45) • RS232 (RxD, TxD, GND, RJ12) for Modem connection </td> </tr> <tr> <td data-bbox="392 1243 564 1265">Operating voltage</td> <td data-bbox="719 1243 911 1265">24 VDC (-10 / +20%)</td> </tr> <tr> <td data-bbox="392 1270 580 1292">Power consumption</td> <td data-bbox="719 1270 767 1292">10 W</td> </tr> <tr> <td data-bbox="392 1296 504 1319">Alarm input</td> <td data-bbox="719 1296 1046 1352">1 x Tamper input (internally supplied, unsupervised)</td> </tr> <tr> <td data-bbox="392 1357 520 1379">Alarm output</td> <td data-bbox="719 1357 991 1435">1 x Alarm output (externally supplied MOSFET switch, max 12V, 100 mA)</td> </tr> <tr> <td data-bbox="392 1440 520 1462">Door capacity</td> <td data-bbox="719 1440 743 1462">96</td> </tr> <tr> <td data-bbox="392 1467 520 1489">Card capacity</td> <td data-bbox="719 1467 799 1489">500,000</td> </tr> <tr> <td data-bbox="392 1494 488 1516">Indicators</td> <td data-bbox="719 1494 1038 1572">FLN communication, Modem, Status, Battery, Ethernet, Compact Flash</td> </tr> <tr> <td data-bbox="392 1576 504 1599">LCD Display</td> <td data-bbox="719 1576 767 1599">None</td> </tr> <tr> <td data-bbox="392 1603 464 1626">Keypad</td> <td data-bbox="719 1603 767 1626">None</td> </tr> <tr> <td data-bbox="392 1630 536 1653">Tamper switch</td> <td data-bbox="719 1630 799 1653">Optional</td> </tr> <tr> <td data-bbox="392 1657 612 1680">Operating temperature</td> <td data-bbox="719 1657 823 1680">0 to +50 °C</td> </tr> <tr> <td data-bbox="392 1684 520 1706">Environment</td> <td data-bbox="719 1684 863 1706">Indoor use only</td> </tr> <tr> <td data-bbox="392 1711 472 1733">Housing</td> <td data-bbox="719 1711 831 1733">Steel/Plastic</td> </tr> <tr> <td data-bbox="392 1738 456 1760">Colour</td> <td data-bbox="719 1738 767 1760">Grey</td> </tr> <tr> <td data-bbox="392 1765 612 1787">Dimensions (W x H x D)</td> <td data-bbox="719 1765 903 1787">246 x 291 x 98 mm</td> </tr> <tr> <td data-bbox="392 1792 456 1814">Weight</td> <td data-bbox="719 1792 791 1814">2.67 kg</td> </tr> <tr> <td data-bbox="392 1818 472 1841">Approval</td> <td data-bbox="719 1818 879 1841">CE, UL294, C-Tick</td> </tr> </table>	Additional components	ACK5100 diagnostic/parameterization cable, ACK5110 cable for modem connection	Interface	Communication interfaces: <ul style="list-style-type: none"> • Field Level Network (FLN): 5 x RS485 plus 1 x RS232/RS485/RS422 • Building Level Network (BLN): 10/100 MB Ethernet (RJ45) • RS232 (RxD, TxD, GND, RJ12) for Modem connection 	Operating voltage	24 VDC (-10 / +20%)	Power consumption	10 W	Alarm input	1 x Tamper input (internally supplied, unsupervised)	Alarm output	1 x Alarm output (externally supplied MOSFET switch, max 12V, 100 mA)	Door capacity	96	Card capacity	500,000	Indicators	FLN communication, Modem, Status, Battery, Ethernet, Compact Flash	LCD Display	None	Keypad	None	Tamper switch	Optional	Operating temperature	0 to +50 °C	Environment	Indoor use only	Housing	Steel/Plastic	Colour	Grey	Dimensions (W x H x D)	246 x 291 x 98 mm	Weight	2.67 kg	Approval	CE, UL294, C-Tick
Additional components	ACK5100 diagnostic/parameterization cable, ACK5110 cable for modem connection																																						
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Keypad	None																																						
Tamper switch	Optional																																						
Operating temperature	0 to +50 °C																																						
Environment	Indoor use only																																						
Housing	Steel/Plastic																																						
Colour	Grey																																						
Dimensions (W x H x D)	246 x 291 x 98 mm																																						
Weight	2.67 kg																																						
Approval	CE, UL294, C-Tick																																						



Type

Order No.

AC5160



SiPass integrated controller kit

The AC5160 is an advanced central controller (ACC) and two dual-reader interfaces (DRI) in one enclosure. The components and a power supply are pre-assembled and wired.


The architecture of the housing and the included accessory kit allows for an easy and quick installation. As all modules are pre-assembled only the connection to the power supply and the readers has to be established. The enclosure includes cable ducts with strain relief to enable easy wiring with external connection points.

Additional space in the enclosure makes it possible to add extra SiPass integrated components. For example, it is possible to add up to four additional DRIs for a total of 12 readers. Depending on the extension an additional power supply might be required. In this case, the two power supplies will then operate in master/slave mode. The integrated tamper switch can be used to monitor the opening of the enclosure, which can then be configured as an alarm message in SiPass integrated.

Kit includes	1 x Advanced Central Controller (AC5100) 2 x Dual Reader Interface modules (ADD5100) 1 x Power supply 1 x Enclosure
Supplied with	230 VAC-24 VDC power supply with battery backup option.
Additional components	ACK5100 diagnostic/parameterization cable, ACK5110 cable for modem connection
Operating voltage	24 VDC (-10 / +20%)
Current consumption	1.2 A @ 230 VAC per power pack (including battery charging)
Alarm input	1 x Tamper input (internally supplied, unsupervised)
Alarm output	1 x Alarm output (externally supplied MOSFET switch, max 12V, 100 mA)
Door capacity	96
Card capacity	500,000
Indicators	FLN communication, Modem, Status, Battery, Ethernet, Compact Flash
LCD Display	None
Keypad	None
Tamper switch	Integrated
Operating temperature	-10 to +55 °C
Environment	Indoor use only
IP rating	IP30
Housing	Steel
Colour	Grey
Dimensions (W x H x D)	500 x 750 x 200 mm
Weight	21.3 kg
Approval	CE

6FL7820-8BA16

SiPass integrated Controllers

Type	Order No.																																		
<p>AC5200</p>  <p>The AC5200 is a smaller version of Siemens' high-performance IP-based advanced central controller (ACC). It can manage up to 40,000 card-holders.</p> <p>The ACC-Lite has been specially designed to provide a low-cost alternative for smaller or branch installations. It provides one field level network (FLN) channel which is capable of hosting up to 8 doors for access control, monitoring input devices or controlling output devices.</p> <p>Firmware can be easily downloaded or updated via TCP/IP connection without having to visit the controller cabinets. Communication with the host system occurs via a two-port Ethernet switch which provides 10/100Mb LAN connection. This makes it possible to "daisy chain" controllers. TCP/IP communication ensures the fastest possible transaction times between the host system and the field panels.</p> <p>In case of power failure the database on the ACC-Lite is protected in battery-backed memory. This maintains the integrity of the access control data and ensures that the ACC-Lite is back online as soon as power is restored.</p> <table border="0"> <tr> <td>Interface</td> <td>Communication interfaces: RS232, RS485, TC/IP for LAN/WAN</td> </tr> <tr> <td></td> <td> <ul style="list-style-type: none"> • RJ45: 2 x Points, 10/100 MB Ethernet (Switched) • RS485: FLN interface, two-wire, max. eight devices per FLN bus. • RS232 modem communications </td> </tr> <tr> <td>Operating voltage</td> <td>8 to 40 VDC, 8 to 30 VAC</td> </tr> <tr> <td>Current consumption</td> <td>100 mA @24V DC 200 mA @12V DC</td> </tr> <tr> <td>Power consumption</td> <td>24 W</td> </tr> <tr> <td>Door capacity</td> <td>Eight</td> </tr> <tr> <td>Card capacity</td> <td>40,000</td> </tr> <tr> <td>LCD Display</td> <td>Alphanumeric</td> </tr> <tr> <td>Keypad</td> <td>4 x 4 matrix</td> </tr> <tr> <td>Tamper switch</td> <td>Integrated</td> </tr> <tr> <td>Operating temperature</td> <td>0 to +50 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor use only</td> </tr> <tr> <td>Housing</td> <td>Plastic housing for wall mounting</td> </tr> <tr> <td>Colour</td> <td>White</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>248 x 182 x 66 mm</td> </tr> <tr> <td>Weight</td> <td>0.70 kg</td> </tr> <tr> <td>Approval</td> <td>CE, C-Tick</td> </tr> </table>	Interface	Communication interfaces: RS232, RS485, TC/IP for LAN/WAN		<ul style="list-style-type: none"> • RJ45: 2 x Points, 10/100 MB Ethernet (Switched) • RS485: FLN interface, two-wire, max. eight devices per FLN bus. • RS232 modem communications 	Operating voltage	8 to 40 VDC, 8 to 30 VAC	Current consumption	100 mA @24V DC 200 mA @12V DC	Power consumption	24 W	Door capacity	Eight	Card capacity	40,000	LCD Display	Alphanumeric	Keypad	4 x 4 matrix	Tamper switch	Integrated	Operating temperature	0 to +50 °C	Environment	Indoor use only	Housing	Plastic housing for wall mounting	Colour	White	Dimensions (W x H x D)	248 x 182 x 66 mm	Weight	0.70 kg	Approval	CE, C-Tick	<p>S54507-C5-A1</p>
Interface	Communication interfaces: RS232, RS485, TC/IP for LAN/WAN																																		
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Operating voltage	8 to 40 VDC, 8 to 30 VAC																																		
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Card capacity	40,000																																		
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Keypad	4 x 4 matrix																																		
Tamper switch	Integrated																																		
Operating temperature	0 to +50 °C																																		
Environment	Indoor use only																																		
Housing	Plastic housing for wall mounting																																		
Colour	White																																		
Dimensions (W x H x D)	248 x 182 x 66 mm																																		
Weight	0.70 kg																																		
Approval	CE, C-Tick																																		



Type

Order No.

ADS5200

Single reader interface module including base plate

6FL7820-8CA20




The ADS5200 provides a Clock&Data/Wiegand interface between a card reader and the advanced central controller (AC5100 or AC5200) for one card reader. When a cardholder presents an access card at an entry or exit reader the ADS5200 reader interface interprets the encoded information and sends this data to the controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.

Note: The ADS5200 does not have an RS485 interface for card readers. It supports Clock&Data and Wiegand readers only.

Interface	FLN connection to controller: RS485 To readers: Clock&Data or Wiegand port
Operating voltage	12 VDC ±20 %
Power consumption	12 W
Outputs	1 x Lock output relay (30 VDC, 2 A) 1x Open-collector output (100 mA, 12 VDC)
Inputs	1 x REX-button 1 x Door contact 2 x Auxiliary All inputs unsupervised or supervised
Tamper switch	Optional, auxiliary input
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication
Dimensions (W x H x D)	125 x 125 x 34 mm
Weight	0.25 kg
Approval	CE, UL294, C-Tick

SiPass integrated Door Modules

Type	Order No.																										
ADS5210	6FL7820-8CA21																										
	<p>Single reader interface module including base plate and plastic housing</p> <p>The ADS5210 provides a Clock&Data/Wiegand interface between a card reader and the advanced central controller (AC5100 or AC5200) for one card reader. When a cardholder presents the access card at an entry or exit reader the ADS5210 reader interface interprets the encoded information and sends this data to the controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.</p> <p>Note: The ADS5210 does not have an RS485 interface for card readers. It supports Clock&Data and Wiegand readers only.</p> <table border="0"> <tr> <td>Interface</td> <td>FLN connection to controller: RS485 To readers: Clock&Data or Wiegand port</td> </tr> <tr> <td>Operating voltage</td> <td>12 VDC ±20 %</td> </tr> <tr> <td>Power consumption</td> <td>12 W</td> </tr> <tr> <td>Outputs</td> <td>1 x Lock output relay (30 VDC, 2 A) 1x Open-collector output (100 mA, 12 VDC)</td> </tr> <tr> <td>Inputs</td> <td>1 x REX-button 1 x Door contact 2 x Auxiliary All inputs unsupervised or supervised</td> </tr> <tr> <td>Tamper switch</td> <td>Optional, auxiliary input</td> </tr> <tr> <td>Firmware</td> <td>Flash upgradeable</td> </tr> <tr> <td>Indicators</td> <td>Power, Activity, Communication</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>150 x 150 x 76 mm</td> </tr> <tr> <td>IP rating</td> <td>IP55</td> </tr> <tr> <td>Housing</td> <td>ABS plastic</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> <tr> <td>Approval</td> <td>CE</td> </tr> </table>	Interface	FLN connection to controller: RS485 To readers: Clock&Data or Wiegand port	Operating voltage	12 VDC ±20 %	Power consumption	12 W	Outputs	1 x Lock output relay (30 VDC, 2 A) 1x Open-collector output (100 mA, 12 VDC)	Inputs	1 x REX-button 1 x Door contact 2 x Auxiliary All inputs unsupervised or supervised	Tamper switch	Optional, auxiliary input	Firmware	Flash upgradeable	Indicators	Power, Activity, Communication	Dimensions (W x H x D)	150 x 150 x 76 mm	IP rating	IP55	Housing	ABS plastic	Weight	0.55 kg	Approval	CE
Interface	FLN connection to controller: RS485 To readers: Clock&Data or Wiegand port																										
Operating voltage	12 VDC ±20 %																										
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Tamper switch	Optional, auxiliary input																										
Firmware	Flash upgradeable																										
Indicators	Power, Activity, Communication																										
Dimensions (W x H x D)	150 x 150 x 76 mm																										
IP rating	IP55																										
Housing	ABS plastic																										
Weight	0.55 kg																										
Approval	CE																										



Type

Order No.

ADD5100

Dual reader interface including base plate


6FL7820-8CA10



The ADD5100 provides an interface between a card reader and the advanced central controller (AC5100 or AC5200) for up to two card readers. When a cardholder presents an access card at an entry or exit reader the ADD5100 reader interface interprets the encoded information and sends this data to the controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.

Interface	FLN connection to controller: RS485 To readers: One RS485 bus for up to two RS485 readers (CerPass protocol) OR two Wiegand/Clock&Data ports
Operating voltage	12 to 32 VDC ±20 %
Power output	Reader: 300 mA Ancillary: 1 A
Power consumption	25 W
Outputs	1 x Lock output relay (30 VDC, 2 A) 1 x Auxiliary relay (30 VDC, 2 A)
Inputs	1 x REX-button 1 x Door contact 3 x Auxiliary All inputs unsupervised or supervised
Tamper switch	Optional, auxiliary input
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication
Dimensions (W x H x D)	125 x 125 x 34 mm
Weight	0.3 kg
Approval	CE, UL294, C-Tick

SiPass integrated Door Modules

Type	Order No.
ADD5110 	6FL7820-8CA11
Dual reader interface including base plate and plastic housing	
<p>The ADD5110 provides an interface between a card reader and the advanced central controller (AC5100 or AC5200) for up to two card readers. When a cardholder presents the access card at an entry or exit reader the ADD5110 reader interface interprets the encoded information and sends this data to the controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.</p>	
Interface	FLN connection to controller: RS485 To reader: One RS485 bus for up to two RS485 readers (CerPass protocol) OR two Wiegand/Clock&Data ports
Operating voltage	12 to 32 VDC ±20 %
Power output	Reader: 300 mA Ancillary: 1 A
Power consumption	25 W
Outputs	1 x Lock output relay (30 VDC, 2 A) 1 x Auxiliary relay (30 VDC, 2 A)
Inputs	1 x REX-button 1 x Door contact 3 x Auxiliary All inputs unsupervised or supervised
Tamper switch	Optional, auxiliary input
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication
Dimensions (W x H x D)	150 x 150 x 76 mm
IP rating	IP55
Housing	ABS plastic
Weight	0.55 kg
Approval	CE



Type

Order No.

ADD5160

Dual reader interface module in weatherproof housing

6FL7820-8CA16



The ADD5160 provides an interface between a card reader and the advanced central controller (AC5100 or AC5200) for up to two card readers. When a cardholder presents an access card at an entry or exit reader the ADD5160 reader interface interprets the encoded information and sends this data to the controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.

Interface	FLN connection to controller: RS485 To reader: One RS485 bus for up to two RS485 readers (CerPass protocol) OR two Wiegand/Clock&Data ports
Operating voltage	12 to 32 VDC ±20 %
Power output	Reader: 300 mA Ancillary: 1 A
Power consumption	25 W
Outputs	1 x Lock output relay (30 VDC, 2 A) 1 x Auxiliary relay (30 VDC, 2 A)
Inputs	1 x REX-button 1 x Door contact 3 x Auxiliary All inputs unsupervised or supervised
Tamper switch	Optional, auxiliary input
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication
Dimensions (W x H x D)	180 x 180 x 60 mm
IP rating	IP66
Housing	ABS plastic
Weight	0.5 kg
Approval	CE

SiPass integrated Door Modules

Type	Order No.
ADE5300 	S24246-A2500-A1
Eight-reader interface, including base plate	
<p>The ADE5300 provides a local interface between the advanced central controller (AC5100 or AC5200) and up to 8 card readers. From the ADE5300, the information held within the access cards is transmitted to the controller. Each time an access attempt is made the controller verifies the data on the ID card and will then either allow or deny access. The ADE5300 can be configured to control up to 8 doors separately or up to 4 doors that include both entry and exit readers. All variations are possible; for example, you can have six single-reader doors and 1 dual-reader door connected to one ADE5300.</p>	
Interface	FLN connection to controller: RS485 To readers: Support for eight readers in a mix of RS485 and Wiegand/Clock&Data
Operating voltage	12 to 15 VDC ±10 % 24 VDC -15 to +10 %
Power output	Reader: 8 x 400 mA, 12 VDC Ancillary: 1 x 1.5 A, 12 VDC
Current consumption	Max. 2 A at 12 V, max. 1.5 A at 24 V
Outputs	8 x Lock output relay (30 VDC, 2 A) 8 x Open-collector output (100 mA, 9.7-12 VDC) 2 x Fire override relay (30 VDC, 2 A)
Inputs	8 x Door contact 8 x Request-to-exit 16 x Auxiliary All inputs unsupervised or supervised 2 x Fire override (normal or enhanced mode)
Tamper switch	Optional, auxiliary input
Firmware	Flash upgradeable
Indicators	Power, Activity, FLN Communication, Reader bus communication, Input/output, Fire override
Dimensions (W x H x D)	250 x 287 x 50 mm
Weight	1.65 kg
Approval	CE, UL294, C-Tick

SiPass integrated Door Modules



Type

Order No.

DC12



Door controller for use with reader(s)


The DC12 is designed to monitor and control one door in a SiPass Entro or SiPass integrated system. When BC-Link is used, a single DC12 can support two readers and thereby control both entries and exits to a restricted area (anti-passback).

The DC12 includes an integrated status display window to simplify installation and service. It is compatible both with SiPass readers and with most third-party readers that support Wiegand and Clock&Data standards.

Interface	To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst) To controller: RS485 system com bus
Operating voltage	8 to 40 VDC, 8 to 30 VAC
Power consumption	Without reader Power save 12V DC: 0.59 W Full on 12V DC: 0.76 W Power save 24V DC: 0.63 W Full on 24V DC: 0.79 W
Inputs	Exit button request with delay. Door contact for indicating closed/open door
Outputs	Voltage-free relay contact, max. 2 A, 30 V.
Tamper switch	Integrated
Operating temperature	-35 to +50 °C
Environment	Indoor use only
Housing	Wall-mounted composite housing
Colour	White
Dimensions (W x H x D)	250 x 128 x 54 mm
Weight	0.5 kg
Approval	CE

S24246-C8502-A1

SiPass integrated Door Modules

Type	Order No.																										
DC22	S24246-C8503-A1																										
	<p>Door controller with alarm control functions</p> <p>The DC22 is designed to monitor and control one door in a SiPass Entro or SiPass integrated system. When BC-Link is used, a single DC22 can support two readers and thereby control both entries and exits to a restricted area (anti-passback).</p> <p>The DC22 includes an integrated status display window to simplify installation and service. It is compatible both with SiPass readers and with most third-party readers that support Wiegand and Clock&Data standards.</p> <p>The major difference between the DC12 and the DC22 is that the DC22 has additional inputs/outputs that support advanced alarm control functions, e.g. alarm status feedback (ASF). These are essential when integration with an intrusion detection system is required. The DC22 also has two outputs for electric locks (day/night lock) as well as separate inputs for open/closed and unlocked/locked door.</p> <p>Note: The intrusion and ASF functions of the DC22 are only available in SiPass Entro.</p> <table border="0"> <tr> <td data-bbox="392 913 478 936">Interface</td> <td data-bbox="719 913 1050 1048">To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst). To controller: RS485 system com bus.</td> </tr> <tr> <td data-bbox="392 1055 564 1077">Operating voltage</td> <td data-bbox="719 1055 954 1077">8 to 40 VDC, 8 to 30 VAC</td> </tr> <tr> <td data-bbox="392 1084 584 1106">Power consumption</td> <td data-bbox="719 1084 979 1218">Without reader Power save 12V DC: 0.65 W Full on 12V DC: 1.38 W Power save 24V DC: 0.68 W Full on 24V DC: 1.41 W</td> </tr> <tr> <td data-bbox="392 1225 453 1247">Inputs</td> <td data-bbox="719 1225 1053 1404">Exit button request with delay. Door contact for indicating closed/open door. Lock status sensor for indicating locked/unlocked door. Alarm bypass activating from a button or a timer. Alarm Status Feedback (ASF). Indication of alarm status (red LED).</td> </tr> <tr> <td data-bbox="392 1411 472 1433">Outputs</td> <td data-bbox="719 1411 1053 1724">Voltage-free change over contact (lock relay), max. 2 A, 30V. Voltage-free closing contact (motorlock relay), max. 2 A, 30V. Voltage-free change over contact (alarm bypass relay), max. 2 A, 30V. Voltage-free closing contact (door held warning relay), max. 2 A, 30V. Voltage-free closing contact (pre-warning relay), max. 2 A, 30V. Voltage-free closing contact (alert relay), max. 2 A, 30V.</td> </tr> <tr> <td data-bbox="392 1731 533 1753">Tamper switch</td> <td data-bbox="719 1731 820 1753">Integrated</td> </tr> <tr> <td data-bbox="392 1760 612 1783">Operating temperature</td> <td data-bbox="719 1760 847 1783">-35 to +50 °C</td> </tr> <tr> <td data-bbox="392 1789 517 1812">Environment</td> <td data-bbox="719 1789 868 1812">Indoor use only</td> </tr> <tr> <td data-bbox="392 1818 472 1841">Housing</td> <td data-bbox="719 1818 1038 1841">Wall-mounted composite housing</td> </tr> <tr> <td data-bbox="392 1848 456 1870">Colour</td> <td data-bbox="719 1848 778 1870">White</td> </tr> <tr> <td data-bbox="392 1877 616 1899">Dimensions (W x H x D)</td> <td data-bbox="719 1877 906 1899">248 x 182 x 55 mm</td> </tr> <tr> <td data-bbox="392 1906 456 1928">Weight</td> <td data-bbox="719 1906 778 1928">0.7 kg</td> </tr> <tr> <td data-bbox="392 1935 472 1957">Approval</td> <td data-bbox="719 1935 746 1957">CE</td> </tr> </table>	Interface	To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst). To controller: RS485 system com bus.	Operating voltage	8 to 40 VDC, 8 to 30 VAC	Power consumption	Without reader Power save 12V DC: 0.65 W Full on 12V DC: 1.38 W Power save 24V DC: 0.68 W Full on 24V DC: 1.41 W	Inputs	Exit button request with delay. Door contact for indicating closed/open door. Lock status sensor for indicating locked/unlocked door. Alarm bypass activating from a button or a timer. Alarm Status Feedback (ASF). Indication of alarm status (red LED).	Outputs	Voltage-free change over contact (lock relay), max. 2 A, 30V. Voltage-free closing contact (motorlock relay), max. 2 A, 30V. Voltage-free change over contact (alarm bypass relay), max. 2 A, 30V. Voltage-free closing contact (door held warning relay), max. 2 A, 30V. Voltage-free closing contact (pre-warning relay), max. 2 A, 30V. Voltage-free closing contact (alert relay), max. 2 A, 30V.	Tamper switch	Integrated	Operating temperature	-35 to +50 °C	Environment	Indoor use only	Housing	Wall-mounted composite housing	Colour	White	Dimensions (W x H x D)	248 x 182 x 55 mm	Weight	0.7 kg	Approval	CE
Interface	To reader: BC-Link, Clock&Data (track 2) or Wiegand (26 bit, 32 bit, 8 bit burst). To controller: RS485 system com bus.																										
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Colour	White																										
Dimensions (W x H x D)	248 x 182 x 55 mm																										
Weight	0.7 kg																										
Approval	CE																										



Type

Order No.

PD30-EM

Prox Codoor – Scandinavian lock case standard

S24246-F8504-A1




PD30-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD30-EM is mounted directly onto a standard lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.

PD30-EM is suitable for lock cases with a distance of between 105 mm and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed for use with Scandinavian lock cases.

Supplied with	Dropbox and a five metre cable
Operating voltage	8 to 40 VDC 8 to 30 VAC
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card read distance	Up to 3 cm with passive card
Indicators	3 x LED (red/yellow/green)
Keypad	No
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP30
Housing	Stainless steel housing with ABS base reader head
Colour	Stainless steel
Dimensions (W x H x D)	64 x 245 x 47 mm
Weight	0.85 kg
Approval	CE

SiPass integrated Door Modules

Type	Order No.																														
<p>PD40-EM</p> 	<p>S24246-F8505-A1</p>																														
<p>Prox Codoor - European lock case standard</p>																															
<p>PD40-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD40-EM is mounted directly onto a standard European lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.</p>																															
<p>PD40-EM is suitable for lock cases with a distance of 72 mm between the center of the door handle and the center of the lock cylinder. It is designed for the European standard lock case, following the DIN 18251 standard.</p>																															
<table border="0"> <tr> <td data-bbox="392 703 715 725">Supplied with</td> <td data-bbox="719 703 1018 725">Dropbox and a five metre cable</td> </tr> <tr> <td data-bbox="392 734 715 779">Operating voltage</td> <td data-bbox="719 734 1018 779">8 to 40 VDC 8 to 30 VAC</td> </tr> <tr> <td data-bbox="392 792 715 815">Power consumption</td> <td data-bbox="719 792 1018 898">Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W</td> </tr> <tr> <td data-bbox="392 904 715 927">Card technology</td> <td data-bbox="719 904 1018 949">EM4102 (also known as Miro or UNIQUE 125 KHz)</td> </tr> <tr> <td data-bbox="392 958 715 981">Card read distance</td> <td data-bbox="719 958 1018 981">Up to 3 cm with passive card</td> </tr> <tr> <td data-bbox="392 990 715 1012">Indicators</td> <td data-bbox="719 990 1018 1012">3 x LED (red/yellow/green)</td> </tr> <tr> <td data-bbox="392 1021 715 1043">Keypad</td> <td data-bbox="719 1021 1018 1043">No</td> </tr> <tr> <td data-bbox="392 1052 715 1075">Operating temperature</td> <td data-bbox="719 1052 1018 1075">0 to +50 °C</td> </tr> <tr> <td data-bbox="392 1084 715 1106">Environment</td> <td data-bbox="719 1084 1018 1106">Indoor use only</td> </tr> <tr> <td data-bbox="392 1115 715 1137">IP rating</td> <td data-bbox="719 1115 1018 1137">IP30</td> </tr> <tr> <td data-bbox="392 1146 715 1191">Housing</td> <td data-bbox="719 1146 1018 1191">Stainless steel housing with ABS base reader head</td> </tr> <tr> <td data-bbox="392 1200 715 1223">Colour</td> <td data-bbox="719 1200 1018 1223">Stainless steel</td> </tr> <tr> <td data-bbox="392 1232 715 1254">Dimensions (W x H x D)</td> <td data-bbox="719 1232 1018 1254">70 x 255 x 54 mm</td> </tr> <tr> <td data-bbox="392 1263 715 1285">Weight</td> <td data-bbox="719 1263 1018 1285">0.9 kg</td> </tr> <tr> <td data-bbox="392 1294 715 1317">Approval</td> <td data-bbox="719 1294 1018 1317">CE</td> </tr> </table>	Supplied with	Dropbox and a five metre cable	Operating voltage	8 to 40 VDC 8 to 30 VAC	Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	Card read distance	Up to 3 cm with passive card	Indicators	3 x LED (red/yellow/green)	Keypad	No	Operating temperature	0 to +50 °C	Environment	Indoor use only	IP rating	IP30	Housing	Stainless steel housing with ABS base reader head	Colour	Stainless steel	Dimensions (W x H x D)	70 x 255 x 54 mm	Weight	0.9 kg	Approval	CE	
Supplied with	Dropbox and a five metre cable																														
Operating voltage	8 to 40 VDC 8 to 30 VAC																														
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Colour	Stainless steel																														
Dimensions (W x H x D)	70 x 255 x 54 mm																														
Weight	0.9 kg																														
Approval	CE																														



Type

Order No.

AFI5100

Input point module including base plate


6FL7820-8CB10



The AFI5100 is a programmable input controller used as part of a SiPass integrated system. It provides a local interface between the advanced central controller (AC5100 or AC5200) and the devices used to monitor a facility, such as infrared detectors. When an input device that is connected to an AFI5100 changes status, the AFI5100 registers the status change and forwards this data to the controller. After checking the validity of the data, the controller sends the message to the SiPass integrated server, so the alarm-handling mechanism can respond appropriately.

Interface	To controller: RS485
Operating voltage	12 to 24 VAC ±20 %
Power consumption	50 W
Inputs	32 x internally supplied (supervised or unsupervised) 1 x Tamper (internally supplied) 1 x Fire override (potential-free or internally supplied)
Outputs	4 x Auxiliary relays (30 VDC, 2 A) 1 x Alarm output (open-collector 12VDC, 200 mA) 1 x Fire override relay (30 VDC, 2 A)
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication Inputs, Output Peripheral supplies Fire override
Operating temperature	0 to +50 °C
Dimensions (W x H x D)	250 x 287 x 30 mm
Approval	CE, UL294, C-Tick
Weight	1.35 kg

SiPass integrated Signal Modules

Type	Order No.																						
AFO5100	6FL7820-8CC10																						
	<p>Output point module (16/16) including base plate</p> <p>The AFO5100 is an advanced, multi-purpose module that provides an interface between powered field-level input contact devices (such as elevator buttons) and output devices (such as override mechanisms) to the advanced central controller (AC5100 or AC5200). It is designed for use in elevators that are integrated within an access control environment. A single AFO5100 can provide access control for up to 16 floors and multiple AFO5100 modules can be combined in an elevator system to provide access control for all floors. The fire override mechanism allows floors to be made automatically accessible during an emergency situation, a critical feature for sites where legislation requires strict emergency responses.</p> <table border="0"> <tr> <td data-bbox="395 703 480 725">Interface</td> <td data-bbox="719 703 911 725">To controller: RS485</td> </tr> <tr> <td data-bbox="395 734 564 757">Operating voltage</td> <td data-bbox="719 734 847 786">12 to 24 VAC ±20 %</td> </tr> <tr> <td data-bbox="395 792 580 815">Power consumption</td> <td data-bbox="719 792 767 815">50 W</td> </tr> <tr> <td data-bbox="395 824 453 846">Inputs</td> <td data-bbox="719 824 1023 1003">16 x Isolated (unsupervised external voltage required) 1 x Tamper (internally supplied) 2 x Fire override (potential-free or internally supplied)</td> </tr> <tr> <td data-bbox="395 1012 469 1034">Outputs</td> <td data-bbox="719 1012 1054 1115">16 x Relays (30 VDC, 2 A) 1 x Tamper (open-collector 12 VDC, 100 mA) 2 x Fire override relays (30 VDC, 2 A)</td> </tr> <tr> <td data-bbox="395 1124 485 1146">Firmware</td> <td data-bbox="719 1124 895 1146">Flash upgradeable</td> </tr> <tr> <td data-bbox="395 1155 485 1178">Indicators</td> <td data-bbox="719 1155 1018 1258">Power, Activity, Communication Inputs, Output Peripheral supplies Fire override</td> </tr> <tr> <td data-bbox="395 1267 612 1290">Operating temperature</td> <td data-bbox="719 1267 815 1290">0 to +50 °C</td> </tr> <tr> <td data-bbox="395 1299 612 1321">Dimensions (W x H x D)</td> <td data-bbox="719 1299 903 1321">216 x 267 x 30 mm</td> </tr> <tr> <td data-bbox="395 1330 480 1352">Approval</td> <td data-bbox="719 1330 879 1352">CE, UL294, C-Tick</td> </tr> <tr> <td data-bbox="395 1361 464 1384">Weight</td> <td data-bbox="719 1361 775 1384">1.3 kg</td> </tr> </table>	Interface	To controller: RS485	Operating voltage	12 to 24 VAC ±20 %	Power consumption	50 W	Inputs	16 x Isolated (unsupervised external voltage required) 1 x Tamper (internally supplied) 2 x Fire override (potential-free or internally supplied)	Outputs	16 x Relays (30 VDC, 2 A) 1 x Tamper (open-collector 12 VDC, 100 mA) 2 x Fire override relays (30 VDC, 2 A)	Firmware	Flash upgradeable	Indicators	Power, Activity, Communication Inputs, Output Peripheral supplies Fire override	Operating temperature	0 to +50 °C	Dimensions (W x H x D)	216 x 267 x 30 mm	Approval	CE, UL294, C-Tick	Weight	1.3 kg
Interface	To controller: RS485																						
Operating voltage	12 to 24 VAC ±20 %																						
Power consumption	50 W																						
Inputs	16 x Isolated (unsupervised external voltage required) 1 x Tamper (internally supplied) 2 x Fire override (potential-free or internally supplied)																						
Outputs	16 x Relays (30 VDC, 2 A) 1 x Tamper (open-collector 12 VDC, 100 mA) 2 x Fire override relays (30 VDC, 2 A)																						
Firmware	Flash upgradeable																						
Indicators	Power, Activity, Communication Inputs, Output Peripheral supplies Fire override																						
Operating temperature	0 to +50 °C																						
Dimensions (W x H x D)	216 x 267 x 30 mm																						
Approval	CE, UL294, C-Tick																						
Weight	1.3 kg																						



Type

Order No.

AFO5200




Output point module (8/8) including base plate

The AFO5200 is an advanced, multi-purpose module that provides an interface between field-level input devices (such as passive infrared detectors) and output devices (such as locking devices) to the advanced central controller (AC5100 or AC5200).

Interface	To controller: RS485
Operating voltage	12/24 VDC (-15 to +10%)
Current consumption	Max. 2 A at 12 V, max. 1.5 A at 24 V
Inputs	8 x Isolated (internally supplied, unsupervised or supervised) 1 x Local input 1 x Fire override (potential-free or internally supplied)
Outputs	8 x Relays (30 VDC, 2 A) 1 x Local output (open-collector 9.7-12 VDC, 100 mA) 1 x Fire override relays (30 VDC, 2 A)
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication Inputs, Output Peripheral supplies Fire override
Operating temperature	0 to +50 °C (32 to 122 °F)
Dimensions (W x H x D)	250 x 210 x 40 mm
Approval	CE, UL294, C-Tick
Weight	1 kg

S24246-A2600-A1

SiPass integrated Signal Modules

Type	Order No.
IOR6 	S24246-C8501-A1
IO relay central	
<p>IOR6 is a general relay central designed for use with SiPass Entro and SiPass integrated. Its four inputs and six outputs can be used for applications such as common alarm outputs, fire alarm inputs, elevator control, machine control or door control (in reservation applications). IOR6 can also be used for timer functions.</p>	
<p>Please note in a SiPass Entro system, a maximum of 32 IOR6 units can be used for elevator control (for up to 192 floors). For other purposes, as many as 512 IOR6 units can be used in a SiPass Entro system; note, however, that the combined number of doors and IOR6 units connected to a single SiPass Entro system cannot exceed 512.</p>	
Interface	To segment controller: RS485 system com bus.
Operating voltage	8-40 VDC 8-30 VAC
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 1.57 W Power save 24V DC: 0.26 W Full on 24V DC: 2.57 W
Inputs	Four remote control inputs. Tamper switch for internal alarm.
Outputs	Two voltage-free change over relay contacts, max. 0.9 A, 60 V (2 A, 30 V). Four voltage-free closing relay contacts, max. 0.9 A, 60 V (2 A, 30 V). Six extra outputs which operate in parallel with above.
Tamper switch	Yes
Operating temperature	-35 to +50 °C
Environment	Indoor use only
Housing	Wall-mounted composite housing
Colour	White
Dimensions (W x H x D)	248 x 182 x 55 mm
Weight	0.7 kg
Approval	CE



Type

Order No.

ATI5100

Intrusion arming terminal



ATI5100 is a field terminal designed for use with SiPass integrated. It acts as a local interface between an advanced central controller (AC5100 or AC5200) and authorised cardholders, enabling them to carry out tasks such as arming and disarming intrusion alarm areas.



Interface	To controller: RS485
Operating voltage	9 to 30 VDC
Current consumption	Min. by 12 V: 35 mA Max. by 12 V: 82 mA
Tamper switch	Yes
Firmware	Flash upgradeable
Display	LC: 128 x 64 dots Four lines with 16 characters per line
Buzzer	Integrated Sound level: Different settings for alarms and key press
Operating temperature	0 to +50 °C
Relative humidity	93 % (no dew)
Housing	Polycarbonate
IP rating	IP30
Colour	RAL 9003
Dimensions (W x H x D)	112 x 185 x 28 mm
Weight	0.38 kg
Approval	CE, C-Tick, UL294 (pending)

S24246-F2605-A1

SiPass integrated Kits

Type	Order No.
<p>AK5000-CO</p> 	<p>S54511-S11-A1</p>
<p>AK5110-CO</p> 	<p>S54505-S20-A1</p>
<p>AK5120-CO</p> 	<p>S54505-S19-A1</p>

SiPass integrated Cotag Cards Kit

The Cotag Cards Kit includes:

- 1,000 IB958M passive Cotag cards with magnetic stripe
- One Database extension license for 1,000 cards (ASE5100-BA)

Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.

This kit requires a valid SiPass integrated license. To order the SiPass integrated Cotag Card kit, you must complete a software license order form. Please contact your SiPass integrated supplier for further details.

SiPass integrated SP500-Cotag Door Kit

The SP500-Cotag Door Kit includes:

- One ADD5100 dual reader interface
- Two SP500-Cotag readers

Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.

SiPass integrated PR500-Cotag Door Kit

The PR500-Cotag Door Kit includes:

- One ADD5100 dual reader interface
- Two PR500-Cotag readers

Siemens' Cotag technology is unique on the market in that it can provide both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards/tags can be mixed in the same system to provide ultimate convenience and cost-efficiency.



Am I safe walking home?

Is this building secure?

With intelligent security products and systems, we protect people and assets everywhere.

As a basic human need, safety and security for people are a priority throughout all aspects of daily life, whether at home, travelling, or at work. For businesses this extends to securing assets and preventing business disruption. We help our customers achieve their desired level of security, from transportation networks to energy supplies, buildings and property in general, by providing them with intelligent products and systems – protecting people, processes and assets no matter where they are. www.siemens.com/buildingtechnologies

Answers for infrastructure.

SIEMENS

SiPass enterprise...

... A global, enterprise-wide
access control network
at your fingertips.



Manage and control multiple sites from a single location

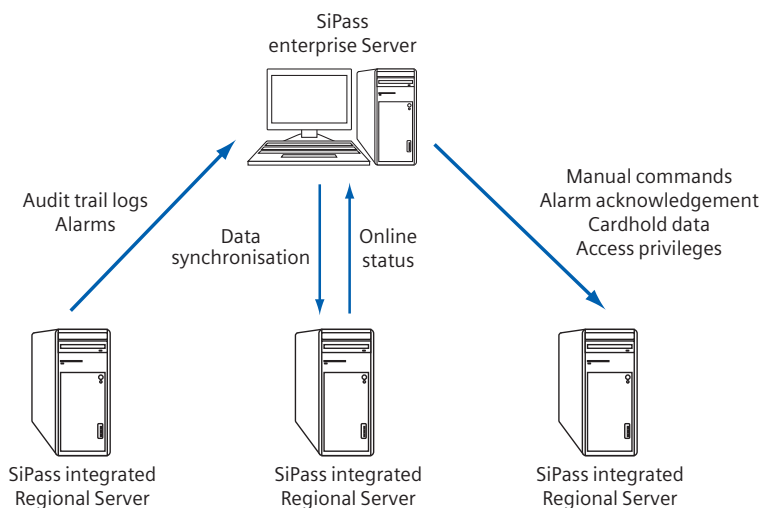
SiPass enterprise makes it easy to manage and administer distributed sites simultaneously by building a network of SiPass integrated sites and connecting them to a SiPass enterprise server. It is possible to manage employee access to all connected facilities, handle alarms, send manual commands and view activity logs from any connected site.

The SiPass enterprise architecture ensures that each site can autonomously manage its day-to-day security needs while at the same time providing a global focal point for programming access control, cardholder data distribution and after-hours supervision.

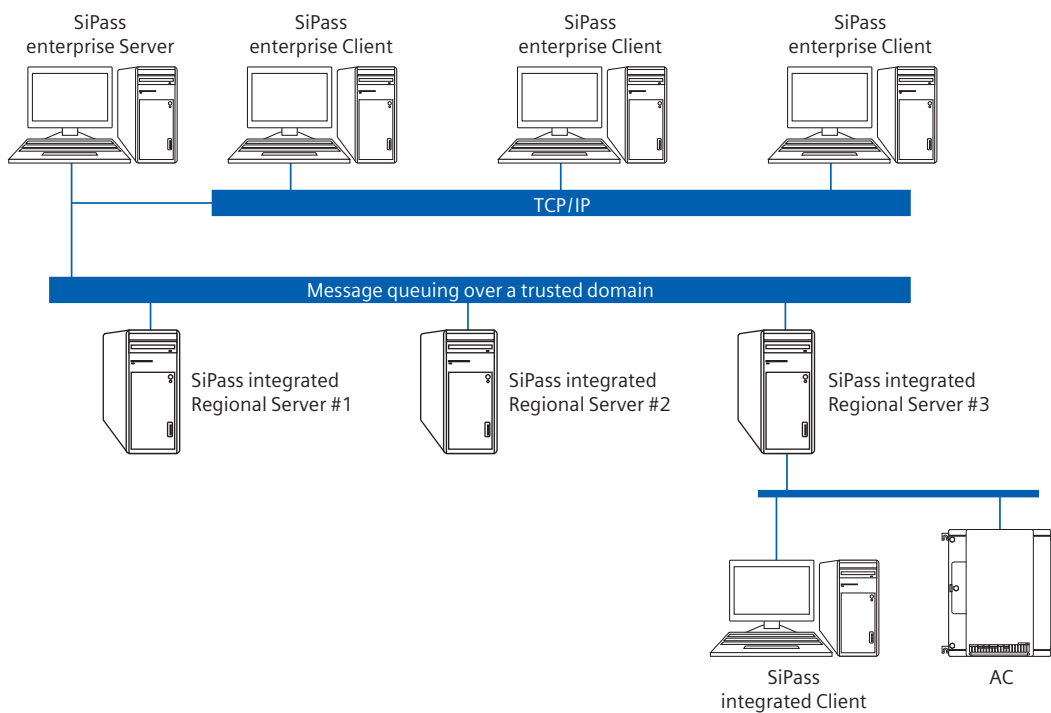
System highlights

- Complete overview and control of the security situation across the entire organization
- Guards and operators in one location (or on different shifts) can manage multiple sites
- Efficient cardholder management across multiple sites (e.g. common cards)
- Handles alarms from many SiPass integrated sites simultaneously
- Controls points globally with manual commands and graphical maps
- Graphical user interface (GUI) is easy to use and configure to suit your needs
- Built-in reporting and printing from any screen with a single click
- Easy-to-use navigation and search functions

SiPass enterprise concept diagram



SiPass enterprise architecture diagram





Type	Order No.						
<p>ASL9000-SE SiPass enterprise software package</p> <p>SiPass enterprise is a truly global access control and security solution. By building a network of SiPass integrated sites and connecting them to a SiPass enterprise server, you can manage and administer several locations at the same time. This ensures a cost-effective and time-efficient method for controlling access within an enterprise. Imagine enrolling a cardholder at one location and then being able to assign access for that same cardholder to other locations. SiPass enterprise allows you to do this, by assigning an access control template to each global cardholder, and then distributing this information to each regional location where access is required. It does not always make sense to man a site with a guard to administer your SiPass integrated system. However, it may still be necessary to monitor this location for alarms or irregularities. SiPass enterprise allows you to do this remotely, ensuring all your sites are continually monitored, even when they are not physically manned. The SiPass enterprise GUI (graphical user interface) has been carefully designed to ensure that it is as easy as possible to navigate using the latest Microsoft technologies.</p> <p>The SiPass enterprise software package includes:</p> <ul style="list-style-type: none"> - One SiPass enterprise server - One SiPass enterprise workstation client - The ability to connect two SiPass integrated servers <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Hard disk capacity</td> <td>80 GB minimum</td> </tr> <tr> <td>Processor</td> <td>Intel Pentium Dual Core Processor</td> </tr> <tr> <td>Network connections</td> <td>Minimum of 100Mbit (i.e. LAN environment)</td> </tr> </table>	Hard disk capacity	80 GB minimum	Processor	Intel Pentium Dual Core Processor	Network connections	Minimum of 100Mbit (i.e. LAN environment)	<p>S24246-P3400-A1</p>
Hard disk capacity	80 GB minimum						
Processor	Intel Pentium Dual Core Processor						
Network connections	Minimum of 100Mbit (i.e. LAN environment)						
<p>ASB9000-EN SiPass enterprise software DVD</p> <p>This DVD contains the SiPass enterprise software and documentation.</p>	<p>S24246-P3401-A1</p>						
<p>ASL9100-RS SiPass enterprise additional server connection</p> <p>The ASL9100-RS provides the ability to connect an additional SiPass integrated server to the SiPass enterprise system.</p>	<p>S24246-P3402-A1</p>						
<p>ASL9100-WS SiPass enterprise additional workstation client</p> <p>The ASL9100-WS provides the ability to add an extra SiPass enterprise client to the system.</p>	<p>S24246-P3403-A1</p>						

Choose Cotag readers...



...For ultimate convenience and cost-efficiency.



SiPass readers



Robust, reliable and easy to use

Siemens provides a wide range of readers to satisfy the access control requirements of most environments. Our readers can work with virtually any access control system on the market, but they are specifically tested and qualified for use with SiPass systems.

Designed for easy installation and use, the SiPass reader portfolio includes technologies ranging from magnetic stripe to 125 kHz proximity, multi-purpose smart card technology, and Cotag technology. Each technology type includes at least one model with an integrated keypad to enable card-plus-PIN functionality, which is ideal for higher security applications.

Siemens' Cotag technology is unique on the market in that it provides both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.

The majority of SiPass readers support Siemens' advanced reader protocols – BC-Link or CerPass (RS485). The advantages of using these protocols include the ability to connect two readers to a single door controller, which simplifies the installation and reduces costs, and active monitoring of reader status, which enhances security.

Whichever type of SiPass readers you choose, you can be confident that they will significantly enhance security at your site(s).

Readers

System Compatibility Matrix

Reader		SiPass Entro Lite	SiPass Entro	SiPass integrated	SIPORT
	HF500-Cotag	■	■	■	
	BC5511-Cotag	■	■	■	
	BC5516-Cotag	■	■	■	
	PP500-Cotag	■	■	■	
	PR500-Cotag	■	■	■	
	SP500-Cotag	■	■	■	
	HD500-Cotag	■	■	■	
	PM500-Cotag	■	■	■	
	AR6181-MX			■	■
	AR6182-MX			■	■
	AR6181-MS			■	■
	AR6182-MS			■	■
	AR6381-MS			■	■
	AR6382-MS			■	■
	AR6111-MX	■	■	■	
	AR6201-MX			■	■

Reader		SiPass Entro Lite	SiPass Entro	SiPass integrated	SIPORT
	AR6181-RX			■	■
	AR6182-RX			■	■
	ARS6311-RX	■	■	■	
	AR6331-CP			■	■
	AR6332-CP			■	■
	PP500-EM	■	■	■	
	PR500-EM	■	■	■	
	SP500-EM	■	■	■	
	HD500-EM	■	■	■	
	PM500-EM	■	■	■	
	PD30-EM		■		
	PD40-EM		■		
	BC18	■	■		
	BC43	■	■		
	M43	■	■		



Type

Order No.

HF500-Cotag

Hands-free card reader



The HF500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 109 cm with an active card and 34 cm with a passive card. It can read through concrete, wood, glass and many other materials, but not metal. Although it must be mounted indoors, it can also read cards presented from outside, if the environment permits. For outdoor installations, use the BC5511-Cotag.

S24246-F4106-A1

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	10 to 35 VDC
Current consumption	200 mA @ 12V DC 100 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB9611, IB968 & IB970
Card read distance	Up to 109 cm with IB928 (active card). Up to 34 cm with IB968 (passive card)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP54
Housing	UV-resistant ABS plastic
Colour	Light grey
Dimensions (W x H x D)	220 x 265 x 29.3 mm
Weight	0.40 kg
Approval	CE
Accessories	None

Readers Cotag

Type

Order No.

BC5511-Cotag



Split-mounted hands-free card reader

The BC5511-Cotag is a hands-free card reader kit that consists of the BC5311 reader interface (mounted indoors) and the HF100 reader (mounted outdoors). It reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 112 cm with an active card and 35 cm with a passive card. It can read through concrete, wood, glass and many other materials, but not metal.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	10 to 35 VDC
Current consumption	290 mA @ 12V DC 160 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB9611, IB968 & IB970
Card read distance	Up to 112 cm with IB928 (active card). Up to 35 cm with IB968 (passive card)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer [HF100]
Keypad	No
Operating temperature	-40 to +70 °C. (HF100) 0 to +50 °C (BC5311)
Environment	Indoor for the reader interface and outdoor for the reader
IP rating	IP55 [HF100]
Housing	UV-resistant ABS plastic
Colour	Light grey
Dimensions (W x H x D)	BC5311: 110 x 195 x 40 mm HF100: 220 x 265 x 29.3 mm
Weight	1.3 kg
Approval	CE
Accessories	None

S24246-F4701-A1



Type

Order No.

BC5516-Cotag

Split-mounted hands-free loop reader kit

S24246-F4702-A1



The BC5516-Cotag is a loop reader kit that consists of a BC270 loop coupler and a BC5311 reader interface. It reads Siemens unique Cotag cards and tags (active only) which offer ultimate convenience and cost-efficiency. It has a reading range of up to three meters depending of the construction of the loop.

The BC270 loop coupler allows simple wire-loop antennas to be used for applications such as access loops around doors and roadway loops for vehicle (AVI) systems. The transmit range is adjustable. It is easy to monitor TX and RX status via onboard LEDs.

The BC5311 reader interface allows Cotag technology reading heads to integrate into non-Cotag systems. Popular data interfaces ensure easy integration with most host systems.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	10 to 35 VDC
Current consumption	300 mA @ 12V DC 160 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928 & IB970
Card read distance	Up to 300 cm with active card, depending on loop construction
Indicators	None
Keypad	No
Operating temperature	-40 to +70 °C (BC270) 0 to +50 °C (BC5311)
Environment	Indoor for the reader interface. Indoor or outdoor for BC270
IP rating	IP66 [BC270]
Housing	UV-resistant ABS plastic
Colour	Light grey
Dimensions (W x H x D)	BC270: 80 x 160 x 56 mm BC5311: 110 x 195 x 40 mm
Weight	0.9 kg
Approval	CE
Accessories	None

Readers Cotag

Type

Order No.

PP500-Cotag



Heavy duty card and PIN reader

The PP500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 12 cm with an active card and up to 3 cm with a passive card. It has a position indicator light and an illuminated keypad which makes it easy to use in dark places. It also includes a tamper switch for enhanced security.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	12 to 24 VDC
Current consumption	39 mA @ 12 VDC 23 mA @ 24 VDC
Tamper switch	Yes
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 12 cm with active card or 3 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	1.35 kg
Approval	CE
Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush-mounting kit

S54501-F1-A2



Type

Order No.

PR500-Cotag

Card reader

S24246-F4706-A1



The PR500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 32 cm with an active card and 10 cm with a passive card. The PR500-Cotag has a slim and compact design and blends in well in many environments.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	36 mA @ 12 VDC 36 mA @ 24 VDC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 32 cm with active card. Up to 10 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	ABS base with clip on ABS front cover
Colour	White
Dimensions (W x H x D)	40 x 140 x 18.5 mm
Weight	0.11 kg
Approval	CE
Accessories	BB6 flush-mounting kit

Readers Cotag

Type

Order No.

SP500-Cotag



Switch-plate card reader

The SP500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 29 cm with an active card and 9 cm with a passive card. Its compact, square design makes it easy to mount in most single-gang back-boxes.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	32 mA @ 12 VDC 34 mA @ 24 VDC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 29 cm with active card. Up to 9 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	ABS base houses fully encapsulated electronics, clip-on ABS front cover
Colour	White
Dimensions (W x H x D)	86 x 86 x 14 mm
Weight	0.14 kg
Approval	CE
Accessories	None

S24246-F4704-A1

Readers Cotag



Type

Order No.

HD500-Cotag



Heavy duty card reader

The HD500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 26 cm with an active card and up to 8 cm with a passive card.

Vandal-proof and fire-resistant, the HD500-Cotag is popular both in vulnerable locations and modern office environments.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	37 mA @ 12 VDC 39 mA @ 24 VDC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 26 cm with active card. Up to 8 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	Polycarbonate case, fully encapsulated electronics, stainless steel outer frame
Colour	Black and stainless steel
Dimensions (W x H x D)	100 x 128 x 18 mm
Weight	0.24 kg
Approval	CE
Accessories	None

S24246-F4703-A1

Readers Cotag

Type

Order No.

PM500-Cotag



Panel mounted card reader

The PM500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. The PM500-Cotag is designed to fit most remote call point enclosures. It is supplied with a custom-machined perspex front panel for increased aesthetic appeal. It has a reading range of up to 23 cm with an active card and 8 cm with a passive card.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	33 mA @ 12V DC 35 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 23 cm with active card. Up to 8 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	High impact polycarbonate outer casing, with encapsulated electronics
Colour	Black
Dimensions (W x H x D)	68 x 73 x 13.5 mm
Weight	0.15 kg
Approval	CE
Accessories	None

S24246-F4705-A1

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6181-MX

Multi-technology card reader

6FL7170-8BK




The AR6181-MX can read a variety of different smart card variants (see details below). The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.

System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand
Operating voltage	12 to 24 VDC ±15 %
Current consumption	165 mA @ 12 VDC 80 mA @ 24 VDC
Tamper switch	No
Card technology	Mifare Classic 1k & 4k (CSN, S/B, MAD); DESfire (CSN); Mifare Ultra-Light & my-D prox (CSN, B); STM LRI512, my-C, my-D vic, I-Code SLI, Tag-IT HFI (CSN)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 7 cm
Indicators	1 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-20 to +60 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm
Weight	0.25 kg
Approval	CE, FCC, UL
Accessories	SH1 universal rain cover

Readers

Smart Card 13.56 MHz

Type	Order No.
AR6182-MX	6FL7170-8BL
	<p data-bbox="392 331 767 353">Multi-technology card and PIN reader</p> <p data-bbox="392 376 1053 450">The AR6182-MX can read a variety of different smart card variants (see details below). The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.</p> <p data-bbox="392 495 1053 595">System compatibility SiPass integrated, SIPORT Interface to controller RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand</p> <p data-bbox="392 607 1053 651">Operating voltage 12 to 24 VDC ±15 %</p> <p data-bbox="392 663 1053 707">Current consumption 165 mA @ 12V DC 80 mA @ 24V DC</p> <p data-bbox="392 719 1053 741">Tamper switch No</p> <p data-bbox="392 752 1053 875">Card technology Mifare Classic 1k & 4k (CSN, S/B, MAD); DESfire (CSN); Mifare Ultra-Light & my-D proximity (CSN, B); STM LRI512, my-C, my-D vic, I-Code SLI, Tag-IT HFI (CSN)</p> <p data-bbox="392 887 1053 931">Card compatibility ABP5100-PR ABP5100-BL</p> <p data-bbox="392 943 1053 965">Card read distance Up to 7 cm</p> <p data-bbox="392 976 1053 1021">Indicators 1 x LED (red/yellow/green) 1 x Buzzer</p> <p data-bbox="392 1032 1053 1111">Keypad Membrane keyboard Keys 0-9,C,E > 1,000,000 operations</p> <p data-bbox="392 1122 1053 1144">Operating temperature -20 to +60 °C</p> <p data-bbox="392 1155 1053 1178">Environment Indoor or outdoor use</p> <p data-bbox="392 1189 1053 1211">IP rating IP65</p> <p data-bbox="392 1223 1053 1245">Housing PC/ABS plastic</p> <p data-bbox="392 1256 1053 1279">Colour Silver (RAL9006)</p> <p data-bbox="392 1290 1053 1368">Dimensions (W x H x D) With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm</p> <p data-bbox="392 1379 1053 1402">Weight 0.22 kg</p> <p data-bbox="392 1413 1053 1435">Approval CE, FCC, UL</p> <p data-bbox="392 1447 1053 1469">Accessories SH1 universal rain cover</p>

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6181-MS

Card reader

The AR6181-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). It is designed to fit most standard square flush-mounting boxes. It is supplied with a surface mounting frame.




System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand
Operating voltage	12 to 24 VDC ±15 %
Current consumption	64 mA @ 12V DC 34 mA @ 24V DC
Tamper switch	No
Card technology	Mifare Classic 1k & 4k (CSN, sector/block)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 4 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-20 to +70 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7170-8AH

Readers

Smart Card 13.56 MHz

Type			Order No.
AR6182-MS	Card and PIN reader	6FL7170-8AJ	
	<p>The AR6182-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). It is designed to fit most standard square flush-mounting boxes. It is supplied with a surface mounting frame.</p>		
	<p>System compatibility Interface to controller</p>	<p>SiPass integrated, SIPORT RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand</p>	
	<p>Operating voltage</p>	<p>12 to 24 VDC ±15 %</p>	
	<p>Current consumption</p>	<p>64 mA @ 12V DC 34 mA @ 24V DC</p>	
	<p>Tamper switch</p>	<p>No</p>	
	<p>Card technology</p>	<p>Mifare Classic 1k & 4k (CSN, sector/block)</p>	
	<p>Card compatibility</p>	<p>ABP5100-PR ABP5100-BL</p>	
	<p>Card read distance</p>	<p>Up to 4 cm</p>	
	<p>Indicators</p>	<p>3 x LED (red/yellow/green) 1 x Buzzer</p>	
	<p>Keypad</p>	<p>Yes, > 1,000,000 operations</p>	
	<p>Operating temperature</p>	<p>-20 to +70 °C</p>	
	<p>Environment</p>	<p>Indoor or outdoor use</p>	
	<p>IP rating</p>	<p>IP65</p>	
	<p>Housing</p>	<p>PC/ABS plastic</p>	
	<p>Colour</p>	<p>Silver (RAL9006)</p>	
	<p>Dimensions (W x H x D)</p>	<p>With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm</p>	
	<p>Weight</p>	<p>0.20 kg</p>	
	<p>Approval</p>	<p>CE</p>	
	<p>Accessories</p>	<p>SH1 universal rain cover</p>	

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6381-MS

Card reader

The AR6381-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). Its sleek mullion design makes it very popular in modern office environments.




System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand
Operating voltage	7 to 12.25 VDC
Current consumption	127 mA @ 12V DC
Tamper switch	No
Card technology	Mifare Classic 1k & 4k (CSN, sector/block)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 4 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-20 to +70 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	48 x 147 x 30 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7171-8AK

Readers

Smart Card 13.56 MHz

Type			Order No.
AR6382-MS	Card and PIN reader		6FL7171-8AL
	<p>The AR6382-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). Its sleek mullion design makes it very popular in modern office environments.</p>		
	System compatibility Interface to controller	SiPass integrated, SIPORT RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand	
	Operating voltage Current consumption	7 to 12.25 VDC 127 mA @ 12V DC	
	Tamper switch	No	
	Card technology	Mifare Classic 1k & 4k (CSN, sector/block)	
	Card compatibility	ABP5100-PR ABP5100-BL	
	Card read distance	Up to 4 cm	
	Indicators	3 x LED (red/yellow/green) 1 x Buzzer	
	Keypad	Yes, > 1,000,000 operations	
	Operating temperature Environment	-20 to +70° C Indoor or outdoor use	
	IP rating	IP65	
	Housing	PC/ABS plastic	
	Colour	Silver (RAL9006)	
Dimensions (W x H x D)	48 x 147 x 30 mm		
Weight	0.20 kg		
Approval	CE		
Accessories	SH1 universal rain cover		

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6111-MX

Card reader




The AR6111-MX is an economical card reader that can read the card serial number of a variety of different smart card variants (see details below). The configuration of this reader can be changed with a configuration card.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	9 to 15 VDC
Tamper switch	No
Current consumption	80 mA @ 12 VDC
Card technology	Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, Tag-IT HFI, STM LRI512 (all CSN)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 7 cm
Indicators	2 x LED (red/green) 1 x Buzzer
Keypad	No
Operating temperature	-25 to +60° C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	Synthetic ABS/PBT
Colour	Silver (RAL9006)
Dimensions (W x H x D)	76 x 120 x 17 mm
Weight	0.20 kg
Approval	CE, FCC, UL
Accessories	SH1 universal rain cover

6FL7170-8DK

Readers

Smart Card 13.56 MHz

Type	Order No.																																				
AR6201-MX 	6FL7170-8CK																																				
<p>Enrolment reader</p> <p>The AR6201-MX is designed to read and write a variety of different smart card variants (see details below). It is supplied with an external power supply and an RS232 serial interface, which enables it to be connected to a PC.</p> <table border="0"> <tr> <td>System compatibility</td> <td>SiPass integrated, SIPOINT</td> </tr> <tr> <td>Interface to controller</td> <td>RS232 interface for connection to a personal computer</td> </tr> <tr> <td>Operating voltage</td> <td>Power supply included</td> </tr> <tr> <td>Tamper switch</td> <td>No</td> </tr> <tr> <td>Card technology</td> <td>Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512</td> </tr> <tr> <td>Card compatibility</td> <td>ABP5100-PR ABP5100-BL</td> </tr> <tr> <td>Card read distance</td> <td>Up to 7 cm</td> </tr> <tr> <td>Indicators</td> <td>1 x LED (red/yellow/green) 1 x Buzzer</td> </tr> <tr> <td>Keypad</td> <td>No</td> </tr> <tr> <td>Operating temperature</td> <td>-25 to +60 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor use only</td> </tr> <tr> <td>IP rating</td> <td>IP22</td> </tr> <tr> <td>Housing</td> <td>PC/ABS plastic</td> </tr> <tr> <td>Colour</td> <td>Silver (RAL9006)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85.5 x 91 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>0.20 kg</td> </tr> <tr> <td>Approval</td> <td>CE, FCC</td> </tr> <tr> <td>Accessories</td> <td>None</td> </tr> </table>	System compatibility	SiPass integrated, SIPOINT	Interface to controller	RS232 interface for connection to a personal computer	Operating voltage	Power supply included	Tamper switch	No	Card technology	Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512	Card compatibility	ABP5100-PR ABP5100-BL	Card read distance	Up to 7 cm	Indicators	1 x LED (red/yellow/green) 1 x Buzzer	Keypad	No	Operating temperature	-25 to +60 °C	Environment	Indoor use only	IP rating	IP22	Housing	PC/ABS plastic	Colour	Silver (RAL9006)	Dimensions (W x H x D)	85.5 x 91 x 40 mm	Weight	0.20 kg	Approval	CE, FCC	Accessories	None	P24246-P4400-A1
System compatibility	SiPass integrated, SIPOINT																																				
Interface to controller	RS232 interface for connection to a personal computer																																				
Operating voltage	Power supply included																																				
Tamper switch	No																																				
Card technology	Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512																																				
Card compatibility	ABP5100-PR ABP5100-BL																																				
Card read distance	Up to 7 cm																																				
Indicators	1 x LED (red/yellow/green) 1 x Buzzer																																				
Keypad	No																																				
Operating temperature	-25 to +60 °C																																				
Environment	Indoor use only																																				
IP rating	IP22																																				
Housing	PC/ABS plastic																																				
Colour	Silver (RAL9006)																																				
Dimensions (W x H x D)	85.5 x 91 x 40 mm																																				
Weight	0.20 kg																																				
Approval	CE, FCC																																				
Accessories	None																																				
ASB6201	<p>ConfigCard Creation Tool</p> <p>ConfigCard Creation Tool (ASB6201) is a software program that can be used to produce configuration cards to change the parameters of readers that support multiple card technologies, namely our AR6181-MX, AR6182-MX and AR6111-MX readers. Please note that producing a configuration card (a.k.a. ConfigCard) requires both the ConfigCard Creation Tool and an AR6201-MX enrolment reader. (The AR6201-MX must be ordered separately.)</p> <p>A standard Mifare card (1K or 4K) is typically used as a ConfigCard for AR6181-MX or AR6182-MX readers. A 4-byte transponder with ISO15693 block size, such as a I-Code SLI, my-d vicinity or Tag-it HF-I, is typically used as a ConfigCard for AR6111-MX readers.</p> <p>The software has the following features:</p> <ul style="list-style-type: none"> • Windows-style design for simple use • A variety of parameter combinations to meet different customer requirements • Regular storage of data files, either in XML or CCT format • Export data to a text file to improve understanding • Ability to read Mifare cards with factory default keys and pre-defined keys • Can program ISO14443A cards and ISO15693 cards <table border="0"> <tr> <td>PC operating system</td> <td>Windows XP, Windows 2000</td> </tr> <tr> <td>Communication</td> <td>COM port</td> </tr> <tr> <td>Hard disk capacity</td> <td>Min. 25 MB</td> </tr> </table>	PC operating system	Windows XP, Windows 2000	Communication	COM port	Hard disk capacity	Min. 25 MB																														
PC operating system	Windows XP, Windows 2000																																				
Communication	COM port																																				
Hard disk capacity	Min. 25 MB																																				

Readers


Proximity 125 kHz



Type	Order No.																																				
AR6181-RX	6FL7170-8AD																																				
	<p>Multi-technology card reader</p> <p>The AR6181-RX can read the unique card number of EM4102 (also known as Miro or UNIQUE 125 kHz), Siemens Prox, Hitag 1 and Hitag 2 proximity cards. It can also read the personalised ID number of Hitag 1 and Hitag 2 cards. The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.</p> <table border="0"> <tr> <td>System compatibility</td> <td>SiPass integrated, SIPOINT</td> </tr> <tr> <td>Interface to controller</td> <td>RS485 monitored CerPass/UCL protocol, Clock&Data or Wiegand</td> </tr> <tr> <td>Operating voltage</td> <td>12 to 24 VDC</td> </tr> <tr> <td>Current consumption</td> <td>145 mA @ 12 VDC 75 mA @ 24 VDC</td> </tr> <tr> <td>Tamper switch</td> <td>No</td> </tr> <tr> <td>Card technology</td> <td>EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2</td> </tr> <tr> <td>Card compatibility</td> <td>ABR5100-PR ABR5100-BL ABR5100-TG</td> </tr> <tr> <td>Card read distance</td> <td>7 cm (approx.)</td> </tr> <tr> <td>Indicators</td> <td>1 x LED (red/yellow/green) 1 x buzzer</td> </tr> <tr> <td>Keypad</td> <td>No</td> </tr> <tr> <td>Operating temperature</td> <td>-25 to +70 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor or outdoor use</td> </tr> <tr> <td>IP rating</td> <td>IP65</td> </tr> <tr> <td>Housing</td> <td>PC/ABS plastic</td> </tr> <tr> <td>Colour</td> <td>Silver (RAL9006)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm</td> </tr> <tr> <td>Weight</td> <td>0.30 kg</td> </tr> <tr> <td>Approval</td> <td>CE</td> </tr> </table>	System compatibility	SiPass integrated, SIPOINT	Interface to controller	RS485 monitored CerPass/UCL protocol, Clock&Data or Wiegand	Operating voltage	12 to 24 VDC	Current consumption	145 mA @ 12 VDC 75 mA @ 24 VDC	Tamper switch	No	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2	Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG	Card read distance	7 cm (approx.)	Indicators	1 x LED (red/yellow/green) 1 x buzzer	Keypad	No	Operating temperature	-25 to +70 °C	Environment	Indoor or outdoor use	IP rating	IP65	Housing	PC/ABS plastic	Colour	Silver (RAL9006)	Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm	Weight	0.30 kg	Approval	CE
System compatibility	SiPass integrated, SIPOINT																																				
Interface to controller	RS485 monitored CerPass/UCL protocol, Clock&Data or Wiegand																																				
Operating voltage	12 to 24 VDC																																				
Current consumption	145 mA @ 12 VDC 75 mA @ 24 VDC																																				
Tamper switch	No																																				
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2																																				
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG																																				
Card read distance	7 cm (approx.)																																				
Indicators	1 x LED (red/yellow/green) 1 x buzzer																																				
Keypad	No																																				
Operating temperature	-25 to +70 °C																																				
Environment	Indoor or outdoor use																																				
IP rating	IP65																																				
Housing	PC/ABS plastic																																				
Colour	Silver (RAL9006)																																				
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm																																				
Weight	0.30 kg																																				
Approval	CE																																				

Readers

Proximity 125 kHz

Type	Order No.																																														
AR6182-RX	6FL7170-8AE																																														
	<p data-bbox="392 331 767 353">Multi-technology card and PIN reader</p> <p data-bbox="392 376 1050 506">The AR6182-RX can read the unique card number of EM4102 (also known as Miro or UNIQUE 125 kHz), Siemens Prox, Hitag 1 and Hitag 2 proximity cards. It can also read the personalised ID number of Hitag 1 and Hitag 2 cards. The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.</p> <table data-bbox="392 546 1050 1435"> <tr> <td data-bbox="392 546 703 600">System compatibility</td> <td data-bbox="719 546 1050 568">SiPass integrated, SIPOINT</td> </tr> <tr> <td data-bbox="392 577 703 609">Interface to controller</td> <td data-bbox="719 577 1050 631">RS485 monitored CerPass/UCI protocol, Clock&Data or Wiegand</td> </tr> <tr> <td data-bbox="392 636 703 667">Operating voltage</td> <td data-bbox="719 636 1050 658">12 to 24 VDC</td> </tr> <tr> <td data-bbox="392 667 703 698">Current consumption</td> <td data-bbox="719 667 1050 698">145 mA @ 12V DC</td> </tr> <tr> <td data-bbox="392 707 703 739"></td> <td data-bbox="719 707 1050 739">75 mA @ 24V DC</td> </tr> <tr> <td data-bbox="392 748 703 770">Tamper switch</td> <td data-bbox="719 748 1050 770">No</td> </tr> <tr> <td data-bbox="392 779 703 810">Card technology</td> <td data-bbox="719 779 1050 833">EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2</td> </tr> <tr> <td data-bbox="392 842 703 864">Card compatibility</td> <td data-bbox="719 842 1050 896">ABR5100-PR ABR5100-BL ABR5100-TG</td> </tr> <tr> <td data-bbox="392 922 703 945">Card read distance</td> <td data-bbox="719 922 1050 945">7 cm (approx.)</td> </tr> <tr> <td data-bbox="392 954 703 985">Indicators</td> <td data-bbox="719 954 1050 985">1 x LED (red/yellow/green)</td> </tr> <tr> <td data-bbox="392 994 703 1016"></td> <td data-bbox="719 994 1050 1016">1 x buzzer</td> </tr> <tr> <td data-bbox="392 1025 703 1057">Keypad</td> <td data-bbox="719 1025 1050 1079">Membrane keyboard Keys 0-9,C,E</td> </tr> <tr> <td data-bbox="392 1088 703 1111"></td> <td data-bbox="719 1088 1050 1111">> 1,000,000 operations</td> </tr> <tr> <td data-bbox="392 1115 703 1146">Operating temperature</td> <td data-bbox="719 1115 1050 1137">-25 to +70 °C</td> </tr> <tr> <td data-bbox="392 1155 703 1178">Environment</td> <td data-bbox="719 1155 1050 1178">Indoor or outdoor use</td> </tr> <tr> <td data-bbox="392 1187 703 1209">IP rating</td> <td data-bbox="719 1187 1050 1209">IP65</td> </tr> <tr> <td data-bbox="392 1218 703 1240">Housing</td> <td data-bbox="719 1218 1050 1240">PC/ABS plastic</td> </tr> <tr> <td data-bbox="392 1249 703 1272">Colour</td> <td data-bbox="719 1249 1050 1272">Silver (RAL9006)</td> </tr> <tr> <td data-bbox="392 1281 703 1303">Dimensions (W x H x D)</td> <td data-bbox="719 1281 1050 1348">With surface mounting frame: 85.5 x 91 x 40 mm</td> </tr> <tr> <td data-bbox="392 1357 703 1379"></td> <td data-bbox="719 1357 1050 1424">W/o surface mounting frame: 85.5 x 91 x 23 mm</td> </tr> <tr> <td data-bbox="392 1433 703 1456">Weight</td> <td data-bbox="719 1433 1050 1456">0.30 kg</td> </tr> <tr> <td data-bbox="392 1464 703 1487">Approval</td> <td data-bbox="719 1464 1050 1487">CE</td> </tr> <tr> <td data-bbox="392 1496 703 1518">Accessories</td> <td data-bbox="719 1496 1050 1518">SH1 universal rain cover</td> </tr> </table>	System compatibility	SiPass integrated, SIPOINT	Interface to controller	RS485 monitored CerPass/UCI protocol, Clock&Data or Wiegand	Operating voltage	12 to 24 VDC	Current consumption	145 mA @ 12V DC		75 mA @ 24V DC	Tamper switch	No	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2	Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG	Card read distance	7 cm (approx.)	Indicators	1 x LED (red/yellow/green)		1 x buzzer	Keypad	Membrane keyboard Keys 0-9,C,E		> 1,000,000 operations	Operating temperature	-25 to +70 °C	Environment	Indoor or outdoor use	IP rating	IP65	Housing	PC/ABS plastic	Colour	Silver (RAL9006)	Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm		W/o surface mounting frame: 85.5 x 91 x 23 mm	Weight	0.30 kg	Approval	CE	Accessories	SH1 universal rain cover
System compatibility	SiPass integrated, SIPOINT																																														
Interface to controller	RS485 monitored CerPass/UCI protocol, Clock&Data or Wiegand																																														
Operating voltage	12 to 24 VDC																																														
Current consumption	145 mA @ 12V DC																																														
	75 mA @ 24V DC																																														
Tamper switch	No																																														
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2																																														
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG																																														
Card read distance	7 cm (approx.)																																														
Indicators	1 x LED (red/yellow/green)																																														
	1 x buzzer																																														
Keypad	Membrane keyboard Keys 0-9,C,E																																														
	> 1,000,000 operations																																														
Operating temperature	-25 to +70 °C																																														
Environment	Indoor or outdoor use																																														
IP rating	IP65																																														
Housing	PC/ABS plastic																																														
Colour	Silver (RAL9006)																																														
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm																																														
	W/o surface mounting frame: 85.5 x 91 x 23 mm																																														
Weight	0.30 kg																																														
Approval	CE																																														
Accessories	SH1 universal rain cover																																														

Readers

Proximity 125 kHz



Type

Order No.

ARS6311-RX



Card reader

The ARS6311-RX is a compact and economical reader designed for use with all SiPass systems. In combination with the AC6311 I/O board, it can also be used in standalone mode.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data and Wiegand (26/34/42 bit)
Operating voltage	10 to 16 VDC
Current consumption	32 mA @ 12V DC
Tamper switch	Yes
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	12 cm (approx.)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-25 to +60 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	40 x 100 x 25 mm
Weight	0.30 kg
Approval	CE
Accessories	SH1 universal rain cover

S24246-Z3900-A1

Readers

Proximity 125 kHz

Type

Order No.

AR6331-CP



Card reader

The AR6331-CP reads Siemens Prox card technology. The smart two-part construction of this reader makes it very easy to mount. It includes a tamper switch for enhanced security.

System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass protocol
Operating voltage	12 VDC ±20 %
Current consumption	35 mA @ 12V DC
Tamper switch	Yes
Card technology	Siemens Prox
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	7 cm (approx.)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-10 to +55 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	48 x 147 x 30 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7171-8AD

Readers

Proximity 125 kHz



Type

Order No.

AR6332-CP

Card and PIN reader

The AR6332-CP reads Siemens Prox card technology. The smart two-part construction of this reader makes it very easy to mount. It includes a tamper switch for enhanced security.



System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass protocol
Operating voltage	12 VDC ±20 %
Current consumption	35 mA @ 12V DC
Tamper switch	Yes
Card technology	Siemens Prox
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	7 cm (approx.)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Membrane keypad Keys 0-9,C,E
Operating temperature	-10 to +55 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	48 x 147 x 30 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7171-8AE

Readers

Proximity 125 kHz

Type

Order No.

PP500-EM



Heavy-duty card and PIN reader

The PP500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). It has a position indicator light and an illuminated keypad which makes it easy to use in dark places. It also includes a tamper switch for enhanced security.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	12 to 24 VDC
Current consumption	30 mA @ 12 VDC 17 mA @ 24 VDC
Tamper switch	Yes
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM
Card read distance	Up to 5 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	1.35 kg
Approval	CE
Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush-mounting kit

S54501-F1-A1

Readers

Proximity 125 kHz



Type

Order No.

HD500-EM

Heavy-duty card reader

The HD500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz).

Vandal-proof and fire-resistant, it is popular both in vulnerable locations and modern office environments.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.




System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	20 mA @ 12V DC 22 mA @ 24V DC
Tamper switch	No
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM
Card read distance	Up to 6 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	Polycarbonate case, fully encapsulated electronics, stainless steel outer frame
Colour	Black and stainless steel
Dimensions (W x H x D)	100 x 128 x 18 mm
Weight	0.24 kg
Approval	CE
Accessories	None

S24246-F3901-A1

Readers

Proximity 125 kHz

Type			Order No.	
PR500-EM	Card reader	S24246-F3913-A1		
	<p>The PR500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). It has slim and compact design and blends in well in many environments.</p>			
	<p>When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.</p>			
	<p>System compatibility</p>	<p>SiPass Entro Lite, SiPass Entro, SiPass integrated</p>		
	<p>Interface to controller</p>	<p>BC-Link, Clock&Data or Wiegand</p>		
	<p>Operating voltage</p>	<p>10.6 to 32 VDC</p>		
	<p>Current consumption</p>	<p>22 mA @ 12V DC 25 mA @ 24V DC</p>		
	<p>Tamper switch</p>	<p>No</p>		
	<p>Card technology</p>	<p>EM4102 (also known as Miro or UNIQUE 125 KHz)</p>		
	<p>Card compatibility</p>	<p>IB41-EM, IB42-EM</p>		
	<p>Card read distance</p>	<p>Up to 10 cm</p>		
<p>Indicators</p>	<p>3 x LED (red/yellow/green)</p>			
<p></p>	<p>1 x Buzzer</p>			
<p>Keypad</p>	<p>No</p>			
<p>Operating temperature</p>	<p>-30 to +50 °C</p>			
<p>Environment</p>	<p>Indoor or outdoor use</p>			
<p>IP rating</p>	<p>IP55</p>			
<p>Housing</p>	<p>ABS base with clip on ABS front cover</p>			
<p>Colour</p>	<p>White</p>			
<p>Dimensions (W x H x D)</p>	<p>40 x 140 x 18.5 mm</p>			
<p>Weight</p>	<p>0.11 kg</p>			
<p>Approval</p>	<p>CE</p>			
<p>Accessories</p>	<p>BB6 flush-mounting kit</p>			

Readers

Proximity 125 kHz



Type

Order No.

SP500-EM

Switch-plate card reader

The SP500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). Its compact, square design makes it easy to mount in most single-gang back-boxes.



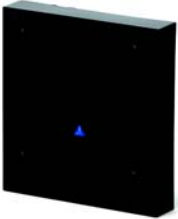
When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	21 mA @ 12V DC 24 mA @ 24V DC
Tamper switch	No
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM
Card read distance	Up to 10 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	ABS base with fully encapsulated electronics, clip-on ABS front cover
Colour	White
Dimensions (W x H x D)	86 x 86 x 14 mm
Weight	0.14 kg
Approval	CE
Accessories	None

S24246-F3902-A1

Readers

Proximity 125 kHz

Type	Order No.																																						
PM500-EM	S24246-F3903-A1																																						
	<p>Panel-mounted card reader</p> <p>The PM500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). It is designed to fit most remote call point enclosures. It is supplied with a custom-machined perspex front panel for increased aesthetic appeal.</p> <p>When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.</p> <table border="0"> <tr> <td>System compatibility</td> <td>SiPass Entro Lite, SiPass Entro, SiPass integrated</td> </tr> <tr> <td>Interface to controller</td> <td>BC-Link, Clock&Data or Wiegand</td> </tr> <tr> <td>Operating voltage</td> <td>10.6 to 32 VDC</td> </tr> <tr> <td>Current consumption</td> <td>20 mA @ 12V DC 24 mA @ 24V DC</td> </tr> <tr> <td>Tamper switch</td> <td>No</td> </tr> <tr> <td>Card technology</td> <td>EM4102 (also known as Miro or UNIQUE 125 KHz)</td> </tr> <tr> <td>Card compatibility</td> <td>IB41-EM, IB42-EM IB44-EM, IB45-EM</td> </tr> <tr> <td>Card read distance</td> <td>Up to 5 cm</td> </tr> <tr> <td>Indicators</td> <td>3 x LED (red/yellow/green) 1 x Buzzer</td> </tr> <tr> <td>Keypad</td> <td>No</td> </tr> <tr> <td>Operating temperature</td> <td>-30 to +50 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor or outdoor use</td> </tr> <tr> <td>IP rating</td> <td>IP55</td> </tr> <tr> <td>Housing</td> <td>High impact polycarbonate outer casing, with encapsulated electronics</td> </tr> <tr> <td>Colour</td> <td>Black</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>68 x 73 x 13.5 mm</td> </tr> <tr> <td>Weight</td> <td>0.15 kg</td> </tr> <tr> <td>Approval</td> <td>CE</td> </tr> <tr> <td>Accessories</td> <td>None</td> </tr> </table>	System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated	Interface to controller	BC-Link, Clock&Data or Wiegand	Operating voltage	10.6 to 32 VDC	Current consumption	20 mA @ 12V DC 24 mA @ 24V DC	Tamper switch	No	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM	Card read distance	Up to 5 cm	Indicators	3 x LED (red/yellow/green) 1 x Buzzer	Keypad	No	Operating temperature	-30 to +50 °C	Environment	Indoor or outdoor use	IP rating	IP55	Housing	High impact polycarbonate outer casing, with encapsulated electronics	Colour	Black	Dimensions (W x H x D)	68 x 73 x 13.5 mm	Weight	0.15 kg	Approval	CE	Accessories	None
System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated																																						
Interface to controller	BC-Link, Clock&Data or Wiegand																																						
Operating voltage	10.6 to 32 VDC																																						
Current consumption	20 mA @ 12V DC 24 mA @ 24V DC																																						
Tamper switch	No																																						
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)																																						
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM																																						
Card read distance	Up to 5 cm																																						
Indicators	3 x LED (red/yellow/green) 1 x Buzzer																																						
Keypad	No																																						
Operating temperature	-30 to +50 °C																																						
Environment	Indoor or outdoor use																																						
IP rating	IP55																																						
Housing	High impact polycarbonate outer casing, with encapsulated electronics																																						
Colour	Black																																						
Dimensions (W x H x D)	68 x 73 x 13.5 mm																																						
Weight	0.15 kg																																						
Approval	CE																																						
Accessories	None																																						

Readers

Proximity 125 kHz



Type

Order No.

PD30-EM



Prox Codoor – Scandinavian lock case standard

PD30-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD30-EM is mounted directly onto a standard lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.


PD30-EM is suitable for lock cases with a distance of between 105 mm and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed for use with Scandinavian lock cases.

Supplied with	Dropbox and a five metre cable
Operating voltage	8 to 40 VDC 8 to 30 VAC
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card read distance	Up to 3 cm with passive card
Indicators	3 x LED (red/yellow/green)
Keypad	No
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP30
Housing	Stainless steel housing with ABS base reader head
Colour	Stainless steel
Dimensions (W x H x D)	64 x 245 x 47 mm
Weight	0.85 kg
Approval	CE

S24246-F8504-A1

Readers

Proximity 125 kHz

Type	Order No.																														
<p>PD40-EM</p> 	<p>S24246-F8505-A1</p>																														
<p>Prox Codoor - European lock case standard</p>																															
<p>PD40-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD40-EM is mounted directly onto a standard European lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.</p>																															
<p>PD40-EM is suitable for lock cases with a distance of 72 mm between the center of the door handle and the center of the lock cylinder. It is designed for the European standard lock case, following the DIN 18251 standard.</p>																															
<table border="0"> <tr> <td data-bbox="392 703 528 725">Supplied with</td> <td data-bbox="719 703 1018 725">Dropbox and a five metre cable</td> </tr> <tr> <td data-bbox="392 734 564 757">Operating voltage</td> <td data-bbox="719 734 836 786">8 to 40 VDC 8 to 30 VAC</td> </tr> <tr> <td data-bbox="392 792 580 815">Power consumption</td> <td data-bbox="719 792 979 898">Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W</td> </tr> <tr> <td data-bbox="392 904 549 927">Card technology</td> <td data-bbox="719 904 1018 956">EM4102 (also known as Miro or UNIQUE 125 KHz)</td> </tr> <tr> <td data-bbox="392 965 564 987">Card read distance</td> <td data-bbox="719 965 991 987">Up to 3 cm with passive card</td> </tr> <tr> <td data-bbox="392 996 485 1019">Indicators</td> <td data-bbox="719 996 963 1019">3 x LED (red/yellow/green)</td> </tr> <tr> <td data-bbox="392 1028 469 1050">Keypad</td> <td data-bbox="719 1028 740 1050">No</td> </tr> <tr> <td data-bbox="392 1059 612 1081">Operating temperature</td> <td data-bbox="719 1059 820 1081">0 to +50 °C</td> </tr> <tr> <td data-bbox="392 1090 517 1113">Environment</td> <td data-bbox="719 1090 868 1113">Indoor use only</td> </tr> <tr> <td data-bbox="392 1122 469 1144">IP rating</td> <td data-bbox="719 1122 772 1144">IP30</td> </tr> <tr> <td data-bbox="392 1153 469 1176">Housing</td> <td data-bbox="719 1153 1018 1205">Stainless steel housing with ABS base reader head</td> </tr> <tr> <td data-bbox="392 1214 453 1236">Colour</td> <td data-bbox="719 1214 852 1236">Stainless steel</td> </tr> <tr> <td data-bbox="392 1245 612 1267">Dimensions (W x H x D)</td> <td data-bbox="719 1245 884 1267">70 x 255 x 54 mm</td> </tr> <tr> <td data-bbox="392 1276 453 1299">Weight</td> <td data-bbox="719 1276 772 1299">0.9 kg</td> </tr> <tr> <td data-bbox="392 1308 469 1330">Approval</td> <td data-bbox="719 1308 740 1330">CE</td> </tr> </table>	Supplied with	Dropbox and a five metre cable	Operating voltage	8 to 40 VDC 8 to 30 VAC	Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	Card read distance	Up to 3 cm with passive card	Indicators	3 x LED (red/yellow/green)	Keypad	No	Operating temperature	0 to +50 °C	Environment	Indoor use only	IP rating	IP30	Housing	Stainless steel housing with ABS base reader head	Colour	Stainless steel	Dimensions (W x H x D)	70 x 255 x 54 mm	Weight	0.9 kg	Approval	CE	
Supplied with	Dropbox and a five metre cable																														
Operating voltage	8 to 40 VDC 8 to 30 VAC																														
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W																														
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Indicators	3 x LED (red/yellow/green)																														
Keypad	No																														
Operating temperature	0 to +50 °C																														
Environment	Indoor use only																														
IP rating	IP30																														
Housing	Stainless steel housing with ABS base reader head																														
Colour	Stainless steel																														
Dimensions (W x H x D)	70 x 255 x 54 mm																														
Weight	0.9 kg																														
Approval	CE																														



Type

Order No.

BC18

Card reader

S24246-F4100-A1



The BC18 is a magstripe card-only reader for use with SiPass Entro or SiPass Entro Lite. The neat design with metal housing is suitable for both indoor and outdoor mounting.

System compatibility	SiPass Entro Lite, SiPass Entro
Interface to controller	Clock&Data
Operating voltage	5 VDC
Current consumption	5 mA @ 5 VDC
Tamper switch	No
Card technology	Magstripe (track 2)
Card compatibility	IB1
Indicators	2 x LED (red/green)
Keypad	No
Operating temperature	-10 to +55 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	Cast metal with an integrated 3-meter cable
Colour	Brushed aluminium
Dimensions (W x H x D)	29 x 124 x 28 mm
Weight	0.30 kg
Approval	CE
Accessories	SH1 universal rain cover

BC43

Card and PIN reader

S24246-F4101-A1



BC43 is a card and PIN reader for SiPass Entro or SiPass Entro Lite. Two units can be installed to control entries and exits using only one door controller. It has an illuminated keypad which makes it easy to use in dark places.

System compatibility	SiPass Entro Lite, SiPass Entro
Interface to controller	BC-Link
Operating voltage	12 to 24 VDC
Current consumption	30 mA @ 12 VDC 44 mA @ 24 VDC
Tamper switch	Yes
Card technology	Magstripe (track 2)
Card compatibility	IB1
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-35 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	110 x 160 x 47 mm
Weight	1.20 kg
Approval	CE
Accessories	SH4 rain cover BB4 flush-mounting kit

Readers PIN Reader

Type

Order No.

M43

PIN only reader

In a SiPass Entro system, the M43 is used primarily in two situations: when you only require the group code level in the system, or when you want to add PIN code functionality to a door that already has a card-only reader installed.



System compatibility	SiPass Entro Lite, SiPass Entro
Interface to controller	BC-Link
Operating voltage	12 to 24 VDC, powered from door controller
Current consumption	27 mA @ 12 VDC 39 mA @ 24 VDC
Inputs	Tamper switch for internal alarm
Tamper switch	Yes
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-35 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	0.70 kg
Approval	CE
Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush-mounting kit

S24246-F8400-A1



How can I get into my office
at this time of night?

Using interoperable access control, intrusion detection
and video surveillance systems.

Access control rights allow you in, then the CCTV cameras trigger to start recording as you walk through, the PIR zones are also deactivated in just the area you have access – all displayed and controlled via one screen. www.siemens.com/interoperability

Answers for infrastructure.

SIEMENS

Cotag active cards and tags...



...For a truly hands-free access control environment.

SiPass cards and tags



Hands-free, proximity or multi-purpose? Take your pick.

Siemens recommends Cotag, smart card or standard proximity (125 kHz) technology for new access control installations. We can also provide magnetic stripe cards for use in existing magnetic stripe systems.

Cotag is a very convenient and user-friendly card technology that is unique on the market. When Cotag technology is used, it is possible to have both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards and tags can be mixed in the same system to provide ultimate convenience and cost-efficiency. This is particularly useful in cases where some cardholders are disabled or where hands are often occupied, such as in a hospital or a warehouse. Cotag is more secure than standard 125 kHz technology because the content on the card is protected and there is no equipment available outside Siemens to copy or tamper with the cards.

Smart cards offer a high level of security and provide the advantage of being multi-purpose. They function as proximity access cards, but since they can store much more information they can also be used as cash cards at company restaurants or vending machines, for example. It is also possible to store biometric data such as fingerprint templates.

The main advantage of using standard (125 kHz) proximity cards and tags – as opposed to magnetic stripe cards – is that they only need to be held near the reader in order to be read, rather than being swiped. This means less wear and tear on cards and more convenience for system users.

Cards and Transponders

Reading Distances




The reading distances for smart cards and standard proximity (125 kHz) cards and tags tend to be in the range of 4 to 7 cm. As a result, reading distance is usually not a significant factor to consider in the selection of reader model or card/tag style in those systems. In Cotag systems, however, the reading distance varies considerably depending on which combination of reader and card or tag is selected. Therefore the reading distance is a very important factor to consider when selecting the reader models and cards and tags that will be used in a Cotag system.

To help you decide which combination of Cotag readers, cards and tags would be most appropriate at your site, please refer to the table below.

Cotag readers	Cotag cards & tags					
	IB928 card	IB911 tag	IB970 vehicle tag	IB968 card	IB958M card	IB961 tag
HF500-Cotag	102 cm	85 cm	83 cm	34 cm	33 cm	29 cm
BC5511-Cotag	89 cm	90 cm	78 cm	35 cm	33 cm	29 cm
BC5516-Cotag	100 to 300 cm (depending on the construction of the loop)	100 to 300 cm (depending on the construction of the loop)	100 to 300 cm (depending on the construction of the loop)	–	–	–
PP500-Cotag	12 cm	8.5 cm	9 cm	2.5 cm	3 cm	2 cm
PR500-Cotag	32 cm	25 cm	22 cm	11 cm	10 cm	8.5 cm
SP500-Cotag	29 cm	22 cm	18 cm	9 cm	8.5 cm	6.5 cm
HD500-Cotag	26 cm	19 cm	17 cm	8 cm	8 cm	7.5 cm
PM500-Cotag	23 cm	17.5 cm	14 cm	7.5 cm	7 cm	6 cm




Note: All reading distances provided here have been measured in lab conditions and may vary according to environmental conditions.



Type	Order No.
<p>IB928</p>  <p>Active Cotag clamshell card</p> <p>The IB928 is a factory-encoded active card that includes a lithium battery which enables it to provide hands-free functionality when it is used together with Cotag hands-free readers. For example, the combination of the IB928 card and the HF500-Cotag reader results in a reading range of approximately 102 cm. The reading range when the IB928 is used in combination with Cotag proximity readers varies from approximately 12 to 32 cm. IB928 cards are particularly useful in environments where some cardholders are disabled or often have their hands full (i.e. a hospital or warehouse).</p> <p>One of the major advantages of Cotag technology is that active and passive cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p> <p>Note: The card number is printed on the back of the card.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 53.89 x 85.85 x 2.89 mm</p>	<p>S24246-D5203-A1</p>
<p>IB911</p>  <p>Active Cotag key-ring tag</p> <p>The IB911 is a factory-encoded active tag that includes a lithium battery which enables it to provide hands-free functionality when it is used together with Cotag hands-free readers. For example, the combination of the IB911 tag and the HF500-Cotag reader results in a reading range of approximately 89 cm. The reading range when the IB911 is used in combination with Cotag proximity readers varies from approximately 6 to 17 cm. IB911 tags are particularly useful in environments where some cardholders are disabled or often have their hands full (i.e. a hospital or warehouse).</p> <p>One of the major advantages of Cotag technology is that active and passive cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p> <p>Note: The card number is printed on the back of the tag.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 31.24 x 49.89 x 9.7 mm</p>	<p>S24246-D5204-A1</p>
<p>IB970</p>  <p>Active Cotag vehicle tag</p> <p>The IB970 is a factory-encoded active tag that includes a lithium battery which enables it to be read by the BC5516-Cotag loop reader from distances of up to three meters (depending on loop construction). It is designed to be attached to the underside of motor vehicles, but it is also frequently mounted under wheelchairs in hospitals and care facilities. Please keep in mind that it is not recommended to use the IB970 with any readers other than the BC5516-Cotag loop reader.</p> <p>Note: The card number is printed on the back of the tag.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 100.45 x 51.67 x 27.02 mm</p>	<p>S24246-D5200-A1</p>

Cards and Transponders

Cotag

Type	Order No.
<p>IB968</p>  <p>Passive Cotag clamshell card</p> <p>The IB968 is a factory-encoded passive card that does not include a battery. It can be used in combination with any Cotag reader. When it is used with a Cotag hands-free reader, the reading range is approximately 34 cm. With Cotag proximity readers, the reading range with the IB968 varies between 3 and 10 cm.</p> <p>One of the major advantages of Cotag technology is that active and passive cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p> <p>Note: The card number is printed on the back of the card.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 54 x 85.6 x 1.6 mm</p>	S24246-D5201-A1
<p>IB958M</p>  <p>Passive Cotag card with magnetic stripe</p> <p>The IB958M is a factory-encoded ISO laminated passive card that does not include a battery. It is ideal for photo ID applications as it can be custom-printed on both sides. When it is used with a Cotag hands-free reader, the reading range is approximately 30 cm. With Cotag proximity readers, the reading range with the IB958M varies between 3 and 10 cm.</p> <p>One of the major advantages of Cotag technology is that active and passive cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p> <p>Note: The card number is printed on the back of the card. This card also includes a magnetic stripe.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 54 x 86 x 0.76 mm</p>	S24246-D5205-A1
<p>IB961</p>  <p>Passive Cotag key-ring tag</p> <p>The IB961 is a factory-encoded passive tag that does not include a battery. It can be used in combination with any Cotag reader. When it is used with a Cotag hands-free reader, the reading range is approximately 29 cm. With Cotag proximity readers, the reading range with the IB961 varies between 3 and 10 cm.</p> <p>One of the major advantages of Cotag technology is that active and passive cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.</p> <p>Note: The card number is printed on the back of the card.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 40.50 x 55.90 x 4.00 mm</p>	S24246-D5202-A1

Cards and Transponders

Smart Card 13.56 MHz



Type

Order No.

ABP5100-PR

Pre-printed Mifare cards

This is a set of pre-printed Mifare Classic 1k ISO cards. They are suitable for use with all SiPass Smart Card readers.



Quantity in order: 10

Dimensions (W x H x D) 54 x 86 x 0.76 mm

6FL7820-8KB10

ABP5100-BL

Printable Mifare cards

This is a set of blank, printable Mifare Classic 1k ISO cards. They are suitable for use with all SiPass Smart Card readers.






Quantity in order: 10

Dimensions (W x H x D) 54 x 86 x 0.76 mm

6FL7820-8KB20

Cards and Transponders




Proximity 125 kHz

Type	Order No.
<p>ABR5100-PR</p>  <p>Pre-printed Siemens Prox cards</p> <p>This is a set of pre-printed ISO cards that are compliant with Siemens Prox technology. They can be used with the readers ARS6311-RX, AR6331-CP, AR6332-CP, AR6181-RX and AR6182-RX.</p> <p>Note: The card number is printed on the back of each card.</p> <p>Quantity in order: 10</p> <p>Dimensions (W x H x D) 54 x 86 x 0.76 mm</p>	6FL7820-8KA10
<p>ABR5100-BL</p>  <p>Printable Siemens Prox cards</p> <p>This is a set of 10 blank, printable ISO cards compliant with Siemens Prox technology. They can be used with the readers ARS6311-RX, AR6331-CP, AR6332-CP, AR6181-RX and AR6182-RX.</p> <p>Note: The card number is printed on the back of each card.</p> <p>Quantity in order: 10</p> <p>Dimensions (W x H x D) 54 x 86 x 0.76 mm</p>	6FL7820-8KA20
<p>ABR5100-TG</p>  <p>Siemens Prox key-ring tags</p> <p>This is a set of 10 key-ring tags compliant with Siemens Prox technology. They can be used with the readers ARS6311-RX, AR6331-CP, AR6332-CP, AR6181-RX and AR6182-RX.</p> <p>Note: The card number is printed on the back of each tag.</p> <p>Quantity in order: 10</p> <p>Dimensions (W x H x D) 29.80 x 44.90 x 1.55 mm</p>	6FL7820-8KA30


Cards and Transponders

Proximity 125 kHz



Type	Order No.
<p>IB41-EM</p> <p>Pre-printed EM laminated card with print</p> <p>The IB41-EM is a pre-printed ISO card that is compliant with EM4102 reading technology. It also includes a magnetic stripe. It can be used with the readers HD500-EM, PM500-EM, PR500-EM, SP500-EM, PP500-EM, PD30-EM and PD40-EM.</p> <p>Note: The card number is printed on the back of the card.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 54 x 86 x 0.76 mm</p> 	<p>S24246-D4904-A1</p>
<p>IB42-EM</p> <p>Blank printable EM laminated card without print</p> <p>The IB42-EM is a blank printable ISO card that is compliant with EM4102 reading technology. It also includes a magnetic stripe. It can be used with the readers HD500-EM, PM500-EM, PR500-EM, SP500-EM, PP500-EM, PD30-EM and PD40-EM.</p> <p>Note: The card number is printed on the back of each card.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 54 x 86 x 0.76 mm</p> 	<p>S24246-D4901-A1</p>
<p>IB44-EM</p> <p>Key-ring tag</p> <p>The IB44-EM is a key-ring tag that is compliant with EM4102 reading technology. It can be used with the readers HD500-EM, PM500-EM, PR500-EM, SP500-EM, PP500-EM, PD30-EM and PD40-EM.</p> <p>Note: The card number is printed on the front of the tag.</p> <p>Quantity in order: 1</p> <p>Dimensions (W x H x D) 29.95 x 36.35 x 7.25 mm</p> 	<p>S24246-D4902-A1</p>

Cards and Transponders Proximity 125 kHz

Type	Order No.
IB45-EM	S24246-D4903-A1
 A circular white adhesive tag with a thin black border. The word "SIEMENS" is printed in green capital letters across the center.	EM adhesive tag <p>The IB45-EM is an adhesive tag that is compliant with EM4102 reading technology. It is intended to be attached to existing magnetic stripe cards when adding EM4102 readers to an existing magstripe installation. It can be used with the readers HD500-EM, PM500-EM, PR500-EM, SP500-EM, PP500-EM, PD30-EM and PD40-EM.</p> <p>Note: The card number is printed on the back of the tag.</p> <p>Quantity in order: 1</p> <p>Dimensions (Ø x D) 30 x 3 mm</p>

Cards and Transponders

Magnetic Stripe



Type

Order No.

IB1

Magnetic stripe cards

This is a set of 100 Siemens-branded magnetic stripe cards with CR80 ISO format (track 2).

Note: The card number is printed on the back of each card.

Quantity in order: 100

Dimensions (W x H x D) 54 x 86 x 0.76 mm



S24246-D5000-A1

Can we increase branch security without compromising the customer experience?

Can security really improve our competitiveness?

With interoperable access control, intrusion detection and video surveillance systems designed for a holistic bank security.

From ATMs to branches, data centres and entire bank networks, interoperable security systems provide local and centralised management of alarms and access events, backed up with live or recorded video monitoring and bank transaction data – all integrated into existing IT infrastructures. The resulting enterprise-wide security intelligence reduces losses due to theft, fraud or business disruptions and provides a safer banking environment for all – with a positive impact on compliance, operational performance and competitiveness. www.siemens.com/interoperability

Answers for infrastructure.





SIEMENS

Accessories



Siemens offers a wide range of high-quality accessories, including covers, flush-mounting kits, interfaces, nameplates, cables, transformers and other products.

Accessories Covers

Type	Order No.
<p>SH1</p> <p>Universal rain cover</p> <p>SH1 is a universal protective cover for card readers. It is recommended for outdoor installations.</p>  <p>Dimensions (W x H x D) 210 x 225 x 160 mm</p>	S24246-Z3652-A1
<p>SH2</p> <p>Rain cover for readers and codelocks</p> <p>SH2 is a protective cover for K42, K44Duo, M43, PP500-EM and PP500-Cotag. There are cuttings for cables to simplify the process of adding it to an existing installation.</p>  <p>Dimensions (W x H x D) 104 x 168 x 90 mm</p>	S24246-Z3554-A1
<p>SH3</p> <p>Rain cover for door entry phones</p> <p>SH3 is a protective cover for BM3, BM31, BT41, BT44 and BTK41. There are cuttings for cables to simplify the process of adding it to an existing installation.</p>  <p>Dimensions (W x H x D) 104 x 225 x 90 mm</p>	S24246-Z5400-A1
<p>SH4</p> <p>Rain cover for card readers</p> <p>SH4 is a protective cover for BC615 and BC43. There are cuttings for cables to simplify the process of adding it to an existing installation.</p>  <p>Dimensions (W x H x D) 140 x 200 x 90 mm</p>	S24246-Z3655-A1

Accessories Covers



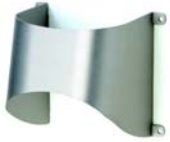
Type

Order No.

IS391

Spy-proof cover

IS391 is designed for use where higher security is needed. It can be used with K42, K44Duo, M43, PP500-EM and PP500-Cotag. It prevents others from seeing which buttons the user presses on the keypad.



Dimensions (W x H x D)

120 x 104 x 95 mm

S24246-Z3551-A1

Accessories Flush Mounting Kits



Type

Order No.

BB5

Flush-mounting kit

BB5 is a flush-mounting kit designed to provide an unobtrusive and aesthetically appealing installation of the BM3, BM31, BT41, BT44 and BTK41.

Dimensions (W x H x D) 117 x 260 mm (external)
85 x 235 x 33 mm (recess)



S24246-Z5401-A1

BB6

Flush-mounting kit

BB6 is a flush-mounting kit designed to provide a discreet and secure installation of PR500-EM and PR500-Cotag. It hides the reader.

Dimensions (W x H x D) 117 x 200 mm (external)
85 x 175 x 33 mm (recess)



S24246-Z3553-A1

BB7

Flush-mounting kit

BB7 is a flush-mounting kit designed to provide a discreet and secure installation of the IP811 reservation terminal.

Dimensions (W x H x D) 388 x 211 x 43 (external)
354 x 140 x 40 mm (recess)



S54513-S4-A1

Accessories Interfaces

Type	Order No.
<p>CR1</p>  <p>Converter for BC615 readers</p> <p>CR1 is required when a BC615, BC615-EM or BC615-Cotag is connected to a SiPass Entro segment controller. It converts between RS232 and RS485.</p> <p>Dimensions (W x H x D) 120 x 80 x 40 mm</p>	S24246-C3651-A1
<p>IF1</p>  <p>SiPass Entro interface box with cable</p> <p>IF1 is an interface box that enables the easy connection of a PC (or printer) to a SiPass Entro segment controller. It is supplied with a 15-meter-long cable (not shown).</p> <p>Dimensions (W x H x D) 85 x 85 x 63 mm</p>	S24246-Z8352-A1
<p>USB-RIF/2</p>  <p>Interface for enrolment reader</p> <p>The USB-RIF/2 supports the Clock&Data and Wiegand 26-bit interfaces for connecting readers. It is delivered with a one-meter-long USB cable.</p> <p>It can be used in either SiPass Entro or SiPass integrated for:</p> <ul style="list-style-type: none"> • Easy enrolment of cards and tags into the system • Fast search for cardholder/person <p>In SiPass Entro it can also be used as a login reader to support authentication via card/tag to the software.</p> <p>Please also see the TG-EM USB and TG-Cotag USB reader kits (SiPass Entro core software section), which include a PR500 reader and a desk stand as well as a USB-RIF/2 interface.</p> <p>Dimensions (W x H x D) 140 x 66 x 28 mm</p>	S24246-F8655-A1
<p>Tamper Kit</p>  <p>Tamper kit for DC22, SR34i, SR35i and ACC-Lite</p> <p>This tamper kit can be used with the DC22, SR34i, SR35i and ACC-Lite. It triggers a tamper alarm in the system if the controller is removed from the wall.</p> <p>Quantity in order: 10</p>	S54513-S3-A1

Accessories Nameplates



Type

Order No.

NTFlex

Nameplate

This nameplate is made of rugged metal and unbreakable glass. It is intended for use with laserprinted sheets. It includes a CD-ROM with ready-made templates in MS Word for 12, 21 or 30 rows.

Dimensions (W x H x D) 170 x 263 x 20 mm



S24246-Z5403-A1

NTFlex Gold

Nameplate in gold colour

This nameplate is made of rugged gold-coloured metal and unbreakable glass. It is intended for use with laserprinted sheets. It includes a CD-ROM with ready-made templates in MS Word for 12, 21 or 30 rows.

Dimensions (W x H x D) 170 x 263 x 20 mm



S24246-Z5406-A1

Profile 16x13

Profile for use with NTFlex nameplate

This profile has 16 rows designed for 13 mm text strips.



S24246-Z5404-A1

Accessories Nameplates

Type	Order No.
Sheets 	S24246-Z5405-A1
20 extra sheets for use with NTFlex nameplate	
This package includes 20 extra sheets for use with an NTFlex nameplate and a CD-ROM with ready-made templates in MS Word for 12, 21 or 30 rows.	



Type

Order No.

ACK5100

SiPass integrated parameterization cable

ACK5100 is used to create a serial connection between a PC and the AC5100 advanced central controller for configuration.



6FL7820-8FB10

ACK5110

SiPass integrated modem cable

ACK5110 is used to create a serial connection between the AC5100 advanced central controller and a modem using a DB25 connector.



6FL7820-8FB11

AAD4011-HF

SiPass Entro cable, halogen free, 100 m

AAD4011-HF is a special cable for SiPass Entro designed to simplify system cabling. It contains 3x twisted pairs. The larger diameter pair is for power and two smaller diameter pairs are for data. This cable has excellent electrical properties with respect to minimising voltage drops associated with long cable runs.



S54513-K6-A1

ACS6311

I/O board for ARS6311-RX


The ACS6311 I/O board is required for standalone operation of the ARS6311-RX card reader. When an ARS6311-RX card reader is configured for standalone operation (offline mode), it can independently control access via a single door. A standalone access control installation can contain one ARS6311-RX reader (to monitor entries only) or two ARS6311-RX readers (one for entries and one for exits).



S24246-Z4501-A1

Current consumption	100 mA (both relays activated)
Inputs	2 NO/NC inputs, internal pull-up
Outputs	2 relay outputs, NO/NC dry contact, Form C 1.5 A / 24 VDC/AC rated
Card capacity	120
Operating temperature	-25 to +60 °C
Weight	0.05 kg
Dimensions (W x H x D)	66 x 89 x 29 mm
Approval	CE

Accessories Other Products

Type	Order No.
<p>E7</p> <p>Multi-relay</p> <p>E7 is used for special applications such as achieving a voltage-free connection. It includes two separate outputs. The user can select either voltage or potential-free output (removable jumpers).</p>  <p>Weight 0.07 kg</p>	S24246-Z3555-A1
<p>SK5</p> <p>Security unit</p> <p>SK5 eliminates the possibility of opening a lock by using battery power directly on the outgoing lock cables. It fits all products with a tamper switch and it includes a buzzer with a reset button and an alarm output.</p>  <p>Weight 0.11 kg</p>	S54513-C7-A1
<p>TA12</p> <p>Transformer</p> <p>TA12 is a transformer with output voltage 11 VAC.</p>  <p>Input voltage 230 V, 50-60 Hz Output voltage 11 VAC Power output 38 VA IP rating IP44 Dimensions (W x H x D) 77 x 138 x 70 mm Weight 1.10 kg</p>	S24246-Z3556-A1



Type

Order No.

TA24

Transformer

S24246-Z3558-A1

TA24 is a transformer with output voltage 24 VAC.



Input voltage	230V, 50-60 Hz
Output voltage	24 VAC
Power output	38 VA
IP rating	IP44
Dimensions (W x H x D)	77 x 138 x 70 mm
Weight	1.11 kg

TA/ST12

Transformer

S24246-Z3557-A1

TA12/ST is a transformer with output voltage 12V filtered DC.



Input voltage	230 V, 50-60 Hz
Output voltage	12 V filtered DC
Power output	16.8 VA
IP rating	IP44
Dimensions (W x H x D)	72 x 120 x 63 mm
Weight	0.90 kg

TA/ST24

Transformer

S24246-Z3559-A1

TA24/ST is a transformer with output voltage 24V filtered DC.



Input voltage	230 V, 50-60 Hz
Output voltage	24 V filtered DC
Power output	24 VA
IP rating	IP44
Dimensions (W x H x D)	77 x 138 x 70 mm
Weight	0.90 kg

SiPass portable demo equipment



Demo equipment



Siemens offers a range of portable SiPass demo cases that can be used to demonstrate product functionality to customers. All of our demo cases are very compact and easy to transport from one customer site to another. They are an excellent tool for salespeople as they enable customers to very quickly gain a hands-on understanding of how the SiPass range of products work and what they look like in real life.

Demo Equipment

Demo Cases

Type	Order No.
<p>SiPass Entro Lite D. C.</p> 	<p>S24246-D8300-A1</p>
<p>SiPass Entro Lite demo case</p> <p>This heavy-duty demo case with aluminium trim features a one-door SiPass Entro Lite system. You can program the DC800 from the built-in keypad. You can also demonstrate how to use the one-door system together with the SiPass Entro Lite software installed on a PC and connected on the USB port via the USB-RIF/2.</p> <p>The demo case consist of:</p> <ul style="list-style-type: none"> • DC800 • PR500-EM • USB-RIF/2 • Entro Lite software • Exit button • Door contact • LED for warning • Power supply • EM cards and tags <p>The DC800 controller is connected via an RS485 bus. When the PC is online all information is sent/received from the controllers. The database can also be downloaded to each DC800 on demand.</p> <p>Dimensions (W x H x D) 420 x 130 x 310 mm</p>	
<p>SiPass Entro D. C.</p> 	<p>S24246-D8351-A1</p>
<p>SiPass Entro demo case</p> <p>This heavy-duty demo case with aluminium trim features a complete three-door SiPass Entro system. It also includes an IOR6, which can be used to demonstrate elevator control or alarm outputs.</p> <p>The demo case consist of:</p> <ul style="list-style-type: none"> • SiPass Entro software • DC22 • Four-door segment controller • 2 x DC12 • IOR6 • PP500-EM • HD500-EM • PR500-EM • Exit button • Door contact • Contact for ASF • 6 x red LEDs for elevator control or warning • Power supply • EM cards and tags <p>Dimensions (W x H x D) 470 x 110 x 410 mm</p>	

Demo Equipment Demo Cases



Type

Order No.

SiPass integrated D. C.

SiPass integrated demo case

S24246-D9900-A1




This demo case is designed to demonstrate how SiPass integrated works. Functions such as triggering of an input via a switch or badging with a card can be easily executed.

The demo case consists of:

- SiPass integrated software
- AC5100
- 2 x ADD5100
- 4 Mifare square readers (with keypads)
- RS232-RS485 converter
- Power supply
- Cable for AC5100 (RS232)
- Crossed network cable
- 10 pre-printed Mifare cards

Note: The demo case is supplied without software. The latest version of the software can be downloaded from Siemens' Customer Support Center. Please contact your SiPass supplier for further information.

Demo Equipment Demo Stands

Type	Order No.
Codoor Demo..	S24246-BBXX
	<p>Codoor demo stands</p> <p>This is a series of wooden stands that each include a Codoor and a mechanical lock. The following Codoor variants are available: CD4000, FP4000 or PD40-EM. Order them separately using the order information below.</p>
CD4000 D. S.	S24246-F8104-A1
FP4000 D. S.	S24246-F8105-A1
PD40-EM D. S.	S24246-F3908-A1

Type Index

Type	Description	Order No.	Page
AAD4011-HF	SiPass Entro cable, halogen free, 100 m	S54513-K6-A1	10-9
ABP5100-BL	Printable Mifare cards	6FL7820-8KB20	9-5
ABP5100-PR	Pre-printed Mifare cards	6FL7820-8KB10	9-5
ABR5100-BL	Printable Siemens Prox cards	6FL7820-8KA20	9-6
ABR5100-PR	Pre-printed Siemens Prox cards	6FL7820-8KA10	9-6
ABR5100-TG	Siemens Prox key-ring tags	6FL7820-8KA30	9-6
AC5100	Advanced central controller (ACC)	6FL7820-8BA10	6-16
AC5160	SiPass integrated controller kit	6FL7820-8BA16	6-17
AC5200	ACC-Lite	S54507-C5-A1	6-18
ACK5100	SiPass integrated parameterization cable	6FL7820-8FB10	10-9
ACK5110	SiPass integrated modem cable	6FL7820-8FB11	10-9
ACS6311	I/O board for ARS6311-RX	S24246-Z4501-A1	10-9
ADD5100	Dual reader interface including base plate	6FL7820-8CA10	6-21
ADD5110	Dual reader interface including base plate and plastic housing	6FL7820-8CA11	6-22
ADD5160	Dual reader interface module in weatherproof housing	6FL7820-8CA16	6-23
ADE5300	Eight-reader interface, including base plate	S24246-A2500-A1	6-24
ADS5200	Single reader interface module including base plate	6FL7820-8CA20	6-19
AD55210	Single reader interface module including base plate and plastic housing	6FL7820-8CA21	6-20
AEU5000-AE	Firmware upgrade from SR34i/8 to ACC-8	P54511-P8-A1	6-15
AEU5000-AF	Firmware upgrade from SR34i/4 to ACC-4	P54511-P7-A1	6-15
AEU5000-AS	Firmware upgrate from SR34i/16 to ACC-16	P54511-P9-A1	6-15
AEU5000-AT	Firmware upgrade from SR34i/32 to ACC-32	P54511-P10-A1	6-15
AFI5100	Input point module including base plate	6FL7820-8CB10	6-29
AFO5100	Output point module (16/16) including base plate	6FL7820-8CC10	6-30
AFO5200	Output point module (8/8) including base plate	S24246-A2600-A1	6-31
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AK1100-EM	SiPass Entro Lite EM Starter Kit	S54507-S2-A3	4-5
AK1110-CO	SiPass Entro Lite PR500-Cotag Door Kit	S54507-S6-A1	4-5
AK1110-EM	SiPass Entro Lite PR500-EM Door Kit	S54507-S2-A4	4-5
AK2100-CO	SiPass Entro Cotag Starter Kit for two doors	S54507-S12-A1	5-17
AK2100-EM	SiPass Entro EM Starter Kit for two doors	S54507-S2-A5	5-17
AK2110-CO	SiPass Entro PR500-Cotag Door Kit	S54507-S4-A1	5-17
AK2110-EM	SiPass Entro PR500-EM Door Kit	S54507-S2-A6	5-17
AK2110-MX	SiPass Entro AR6111-MX Mifare Door Kit	S54507-S3-A1	5-18
AK2200	SiPass Entro Controller Kit	S54507-S8-A1	5-18
AK5000-CO	SiPass integrated Cotag Cards Kit	S54511-S11-A1	6-34
AK5110-CO	SiPass integrated SP500-Cotag Door Kit	S54505-S20-A1	6-34
AK5120-CO	SiPass integrated PR500-Cotag Door Kit	S54505-S19-A1	6-34
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AR6182-MS	Card and PIN reader	6FL7170-8AJ	8-14
AR6182-MX	Multi-technology card and PIN reader	6FL7170-8BL	8-12
AR6182-RX	Multi-technology card and PIN reader	6FL7170-8AE	8-20
AR6201-MX	Enrolment reader	6FL7170-8CK	8-18
AR6331-CP	Card reader	6FL7171-8AD	8-22
AR6332-CP	Card and PIN reader	6FL7171-8AE	8-23
AR6381-MS	Card reader	6FL7171-8AK	8-15
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ASE5300-AP	Basic HR application programming interface (API) license	6FL7820-8AE04	6-8
ASE5300-CB	CCTV third-party interface license	6FL7820-8AE26	6-9
ASE5300-CW	CCTV capability on a SiPass integrated workstation license	6FL7820-8AE01	6-9
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ASE5300-DV	Digital video recorder (DVR) third-party interface license	6FL7820-8AE21	6-9
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ASE5300-IN	SiPass integrated intrusion option license	P24246-P2801-A1	6-11
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ASE5300-MA	Management station application programming interface (API) license	P24246-P2803-A1	6-12
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ASE5300-VA	DVR application programming interface (API) license	P24246-P2804-A1	6-14
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TA/ST24	Transformer	S24246-Z3559-A1	10-11
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TG-Cotag USB	Enrolment reader kit for Cotag cards and tags	S24246-F8657-A1	5-4
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TG-EM USB	Enrolment reader kit for EM cards and tags	S24246-F8656-A1	5-4
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V801	Handset for Bewatel (wall mounted)	S24246-Z8003-A1	3-8

Planning Guide – access control portfolio overview

Field level

Readers



SiPass® reader technologies include:
Smart Card, Cotag, 125 kHz proximity and magnetic stripe

Single Door Products



Codoors



Codelocks



Compact card reader



SiPass standalone kit



DC800

Door Entry Phones



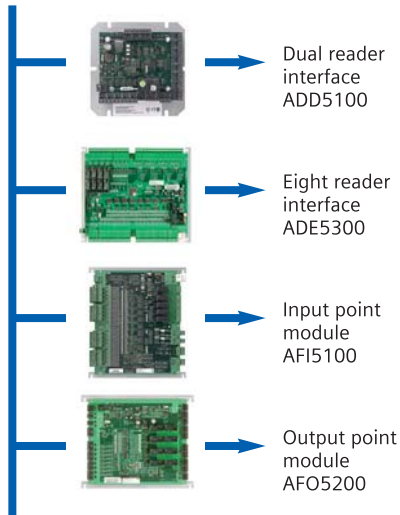
Bewatel



Bewacom

Automation level

Door controllers and input/output modules

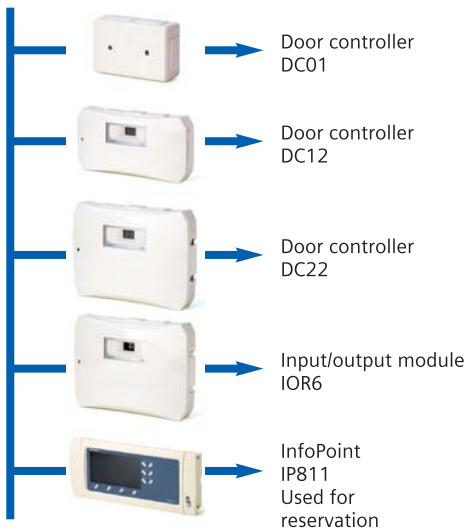


Advanced central controllers AC5100 and AC5200

- Virtually unlimited number of controllers in one system
- Peer-to-peer communication and event management
- 500,000 cardholders per AC5100 (40,000 per AC5200)
- AC5100 supports up to 96 doors on over six FLNs (AC5200 supports up to 8 doors on one FLN)
- AC5100 integration with Siemens' Intrunet SI400 series intrusion system

Upgrade path to SiPass integrated

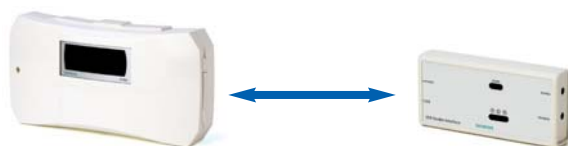
Door controllers and input/output modules



Segment controller SR35i

- Up to 16 controllers in one system
- Peer-to-peer communication
- Holds the complete database and can operate independently without a PC or a server
- Integration to SISTORE™ digital recording systems from Siemens
- Buffer for 10,000 events
- Integration with intrusion detection systems

Upgrade path to SiPass Entro



Door controller DC800

USB interface

- Controller for 1 to 8 doors
- Built-in calendar clock
- Relay output for alert, warning, duress or alarm
- Anti-passback and bank-lobby function

Management level

Advanced access control

SiPass® integrated | SiPass® enterprise



Main features

- Supports a virtually unlimited number of doors and cardholders
- Available in multiple languages
- Highly scalable
- Multiple workstations and sites
- Built-in integration to Siemens intrusion and video surveillance systems
- Automated functionality through event tasks
- Intuitive graphical user interface
- Comprehensive alarm management
- Built-in report generator
- Support of HR and business processes
- Integrated Photo ID
- Support for custom Wiegand card format
- Mifare card encoding
- Online firmware configuration and download
- High-level API integration
- Elevator control



Standard access control

SiPass® Entro



Main features

- Software to support up to 512 doors and 40,000 cardholders
- Available in 13 languages
- 480 access groups and 240 time schedules
- 240 zones with five functions include: alarm control, anti-passback, roll call, entrance limitations and interlock
- 64 reservation objects
- 192 floors elevator control
- Smart and easy integration with up to 16 SISTORE DVRs and 128 cameras
- Includes photo ID design tool
- Multi-site card management
- Upgrade path to SiPass integrated

Basic access control

SiPass® Entro Lite



Main features

- Software to support up to 8 doors and 1,000 cardholders
- Available in 12 languages
- Administration through USB interface
- Upgrade path to SiPass Entro



With intelligent security products and systems, we protect people and assets everywhere.

As a basic human need, safety and security for people are a priority throughout all aspects of daily life, whether at home, travelling, or at work. For businesses this extends to securing assets and preventing business disruption. We help our customers achieve their desired level of security, from transportation networks to energy supplies, buildings and property in general, by providing them with intelligent products and systems – protecting people, processes and assets no matter where they are. www.siemens.com/buildingtechnologies

Answers for infrastructure.

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Answers for infrastructure.

■ Megatrends driving the future

The megatrends – demographic change, urbanization, climate change and globalization – are shaping the world today. These have an unprecedented impact on our lives and on vital sectors of our economy.

■ Innovative technologies to answer the associated toughest questions

Throughout a 160-year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry and infrastructure – globally and locally.

■ Increase productivity and efficiency through complete building life cycle management

Building Technologies offers intelligent integrated solutions for industry, commercial and residential buildings and public infrastructure. Over the entire facility's life cycle, our comprehensive and environmentally conscious portfolio of products, systems, solutions and services in the fields of electrical installation technology, building automation, fire safety and electronic security, ensures the:

- optimum comfort and highest energy efficiency in buildings,
- safety and security for people, processes and assets,
- increased business productivity.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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