
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.

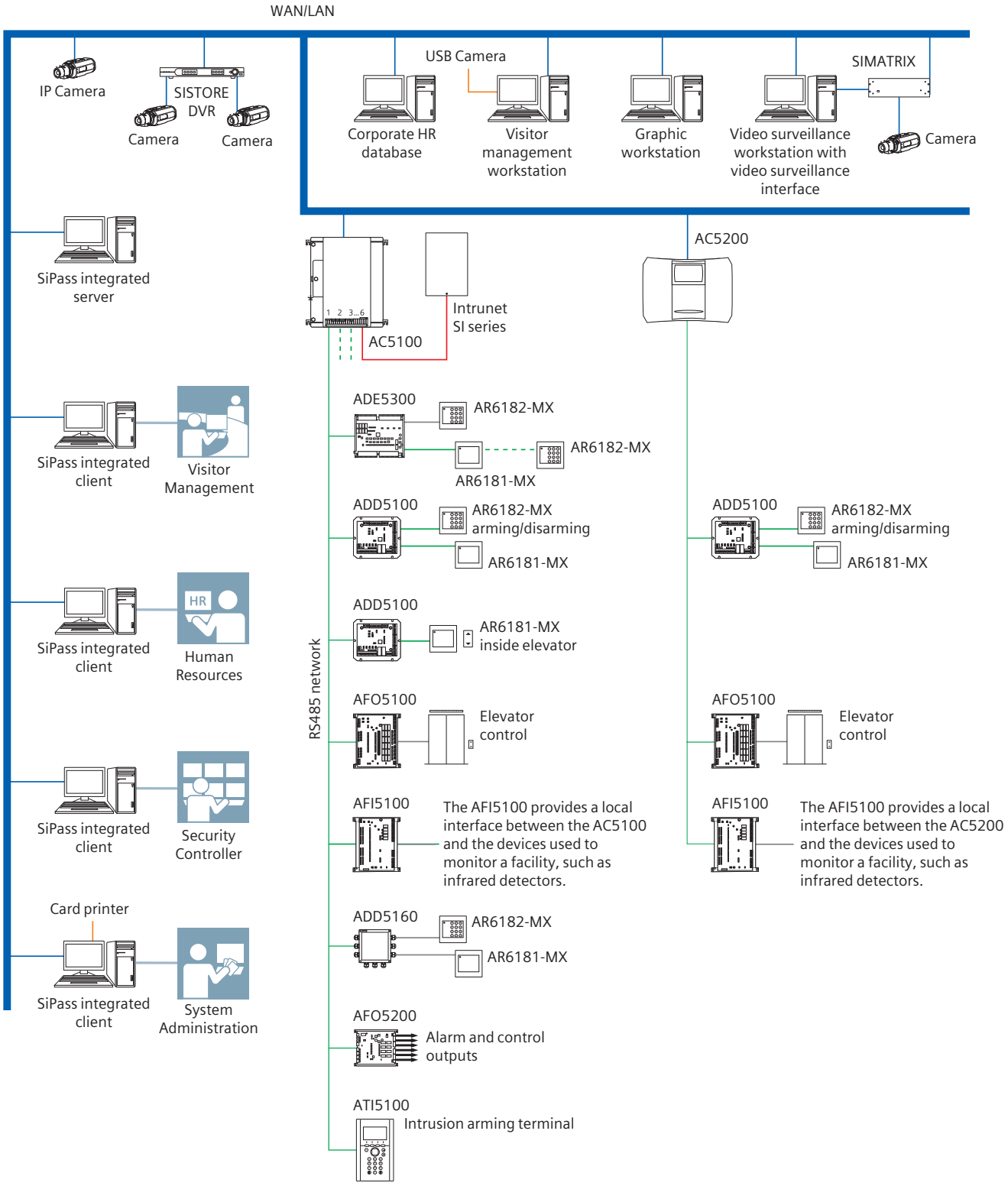
SiPass integrated can be used to manage access to anything from a single low-rise office or residential building with just a few doors to massive high-rise complexes with tens of thousands of doors, gates, barriers and elevators at multiple sites around the globe. It also fully supports the integration 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)

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..**

Core Software

Type		Order No.
ASL5000-ST	**SiPass integrated software – Starter edition license** See ASL5000.. for technical overview and note the additional / other specifications: The Starter edition license includes: • 16 doors • 1,000 cards • One SiPass integrated server • One SiPass integrated workstation **Note that no options are available with the Starter edition license.** 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. 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.	**S54511-P2-A1**
ASL5000-US	**Upgrade licence - SiPass integrated Starter to SiPass integrated Standard** See ASL5000.. for technical overview and note the additional / other specifications: This licence allows the upgrade from SiPass integrated Starter edition to SiPass integrated Standard edition. 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.	**6FL7820-8AB00**
ASL5000-SE	**SiPass integrated software – Standard edition license** See ASL5000.. for technical overview and note the additional / other specifications: Standard edition license includes: • 24 doors • 1,000 cards • One SiPass integrated server • One SiPass integrated workstation 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. 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.	**6FL7820-8AA10**

Type		Order No.
ASL5000-UO	**Upgrade licence - SiPass integrated Standard to SiPass integrated Optima** See ASL5000.. for technical overview and note the additional / other specifications: This licence allows the upgrade from SiPass integrated Standard edition to SiPass integrated Optima edition. 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.	**6FL7820-8AB10**
ASL5000-OA	**SiPass integrated software – Optima edition license** See ASL5000.. for technical overview and note the additional / other specifications: Optima edition license includes: • 64 doors • 10,000 cards • One SiPass integrated server • Three SiPass integrated workstations 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. 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.	**6FL7820-8AA20**
ASB5000..	**SiPass integrated software DVD** This DVD contains: • SiPass integrated software and documentation • SiPass integrated firmware and installation tool • SiPass integrated hardware documentation • Microsoft SQL Server 2005 Express Edition	**ASB5000..**
ASB5000-EN	**SiPass integrated MP2.4 software DVD (English)**	**6FL7820-8FD10**
ASB5000-DE	**SiPass integrated MP2.4 software DVD (German)**	**6FL7820-8FD11**
ASB5000-FR	**SiPass integrated MP2.4 software DVD (French)**	**6FL7820-8FD12**

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

Type		Order No.
ASE5100-BA	**Database extension license for 1,000 cards** The ASE5100-BA is a 1,000 card database extension from the initial 1,000 cards that are included in the standard license. 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.	**6FL7820-8AD10**
ASE5100-OC	**License for 8 offline components (doors)** 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. 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.	**P54511-P12-A1**
ASE5100-DO	**Database extension license for 8 doors** The ASE5100-DO is an 8-door database extension from the initial 24 doors included in the standard license. 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.	**6FL7820-8AD20**
ASE5100-WS	**Additional workstation license** 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. 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.	**6FL7820-8AE00**

Type		Order No.
ASE5300-AI	**APOGEE interface license** 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. 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.	**P24246-P2800-B1**
ASE5300-AP	**Basic HR application programming interface (API) license** 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. 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. 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.	**6FL7820-8AE04**

Type		Order No.
ASE5300-CB	**CCTV third-party interface license** 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. Supported matrix switchers: • Pelco 9760 • Pelco 9740 • Pelco CM6700 • Pelco CM6800 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.	**6FL7820-8AE26**
ASE5300-CW	**CCTV capability on a SiPass integrated workstation license** 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. 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.	**6FL7820-8AE01**
ASE5300-DS	**License for Data synchronizer tool** 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. 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.	**6FL7820-8AE14**
ASE5300-DV	**Digital video recorder (DVR) third-party interface license** 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. 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.	**6FL7820-8AE21**

Type		Order No.
ASE5300-GP	**Graphics license** 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. 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.	**6FL7820-8AE17**
ASE5300-GT	**Guard Tour license** 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. 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. 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.	**6FL7820-8AE25**
ASE5300-HA	**Extended HR application programming interface (API) license** 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. 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. 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.	**P24246-P2805-A1**

Type		Order No.
ASE5300-HL	**High-level elevator management interface license** 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. Note: Each site must create its own protocol translator to interface SiPass integrated with their local EMS. 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.	**6FL7820-8AE07**
ASE5300-ID	**Photo ID and image verification license** 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. 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. 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.	**6FL7820-8AE02**
ASE5300-IN	**SiPass integrated intrusion option license** 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. 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.	**P24246-P2801-A1**

Type		Order No.
ASE5300-LE	**Low-level elevator management license** 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. 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. 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. 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.	**6FL7820-8AE06**
ASE5300-MA	**Management station application programming interface (API) license** 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. 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. 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.	**P24246-P2803-A1**
ASE5300-ME	**Mifare encoding license** 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. 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.	**6FL7820-8AE20**

Type		Order No.
ASE5300-MF	**Message forwarding license** 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. 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. *Ask your service provider about compatibility. 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.	**6FL7820-8AE03**
ASE5300-MM	**MM8000 interface license** 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. 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.	**P24246-P2802-A1**
ASE5300-OC	**OPC client license** 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. 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.	**6FL7820-8AE13**
ASE5300-OS	**OPC server interface license** 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. 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.	**6FL7820-8AE12**

Type		Order No.
ASE5300-TE	**Additional site/facility code license** 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. * Please contact your SiPass integrated supplier for further information. 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.	**6FL7820-8AE24**
ASE5300-TR	**Time recording export license** 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. 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.	**6FL7820-8AE22**
ASE5300-VA	**DVR application programming interface (API) license** 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. 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. 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.	**P24246-P2804-A1**
ASE5300-VM	**Visitor management license** 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. 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. 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.	**6FL7820-8AE05**

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 upgrate 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**

Type		Order No.
AC5100	**Advanced central controller (ACC)**	**6FL7820-8BA10**

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.

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.

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.

Additional components	ACK5100 diagnostic/parameterization cable, ACK5110 cable for modem connection
Interface	Communication interfaces: • 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

Type		Order No.
AC5160	**SiPass integrated controller kit**	**6FL7820-8BA16**

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

Type	Order No.
AC5200	**S54507-C5-A1**

ACC-Lite

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.

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.

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.

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.

Interface	Communication interfaces: RS232, RS485, TC/IP for LAN/WAN • 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

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

Type		Order No.
ADS5210	**Single reader interface module including base plate and plastic housing**	**6FL7820-8CA21**

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.

Note: The ADS5210 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)	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

Type		Order No.
ADD5110	**Dual reader interface including base plate and plastic housing**	**6FL7820-8CA11**

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.

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** 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.	**6FL7820-8CA16**

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

Type		Order No.
ADE5300	**Eight-reader interface, including base plate**	**S24246-A2500-A1**

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.

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

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

Type		Order No.
DC22	**Door controller with alarm control functions**	**S24246-C8503-A1**

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).

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.

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.

Note: The intrusion and ASF functions of the DC22 are only available in SiPass Entro.

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

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.	**S24246-F8504-A1**

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

Type		Order No.
PD40-EM	**Prox Codoor - European lock case standard**	**S24246-F8505-A1**

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.

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.

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

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

Type		Order No.
AFO5100	**Output point module (16/16) including base plate**	**6FL7820-8CC10**

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.

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**	**S24246-A2600-A1**

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

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

Type		Order No.
ATI5100	**Intrusion arming terminal**	**S24246-F2605-A1**

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)

Kits

Type		Order No.
AK5000-CO	**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.	**S54511-S11-A1**
AK5110-CO	**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.	**S54505-S20-A1**
AK5120-CO	**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.	**S54505-S19-A1**

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