




**SIEMENS**

*Ingenuity for life*



SiPass integrated –  
flexible and reliable  
access control

Achieve the perfect balance between security  
and accessibility

[usa.siemens.com/security](http://usa.siemens.com/security)

# SiPass integrated: freedom of movement in a secure environment

**SiPass® integrated is a powerful and extremely flexible access control system that provides a very high level of security without compromising convenience and ease of access for your employees, customers or visitors. It is also possible to use SiPass integrated as a security management station (SMS) that integrates access control, intrusion detection and video surveillance into a single system. The modular structure and scalability of SiPass integrated make it easy to adjust to keep pace with the changing needs of any organization.**

## **Flexible and highly secure**

SiPass integrated is built to meet access control requirements that range from non-critical to critical and from simple to very complex. It is ideal both for existing facilities and for newly constructed buildings. System management can be handled by many different operators with varying levels of authority.

Extremely flexible, SiPass integrated can be used to manage access to anything from a single low-rise office 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.

## **Customizable functionality**

In cases where an organization has outgrown its current access control system, a new SiPass integrated system can usually incorporate previously installed readers, as well as existing cards and cardholder data. SiPass integrated can offer a simple migration strategy from your legacy access control system to keep your investments protected.

SiPass integrated is particularly useful in environments where information is highly sensitive and concerns about potential espionage exist. Standardized interfaces enable easy integration with existing security processes and business systems. A wide variety of software extensions can be used to customize the system to meet any organization's specific needs.

## **Interoperability & integration**

As well as providing top-of-the-line access control functionality, SiPass integrated supports the integration of video surveillance and intrusion detection, thereby creating a security management station. Basic integration with fire safety systems is also available.

Our decades of experience with system integration and standardized technologies enable us to offer integrated access control, intrusion detection, video surveillance systems that provide unparalleled functionality, quality and investment protection.



## **Graphical User Interface (GUI) and interactive reporting**

SiPass includes a user-centric design with simple, self-explanatory menu structures and buttons allowing operation via mouse, keypad or touch screen. Supported by a customizable dashboard with widget capabilities, linking and pinning the SiPass GUI improves your efficiency and lowers training costs. The SiPass integrated Operation Client ensures fast identification and evaluation of system events, provides point-and-click report availability and a highly configurable information structure. It is also possible to define watch lists in the system to flag people who might pose a security risk.



## SiPass integrated applications

The advanced functionality of SiPass integrated can help different types of organizations overcome real-life challenges.

### Universities and other campuses

SiPass integrated is ideal for campuses as it can easily manage access to multiple buildings with differing security requirements, as well as storing and processing large amounts of cardholder data. During particularly busy times like enrollment periods, it has no difficulty assigning access rights, issuing card numbers, and printing large numbers of cards while simultaneously communicating with the university's student database systems.

### Airports

Since SiPass integrated is built to manage very large amounts of access control traffic, it is the perfect choice for airports. It provides a complete access control and security solution with integration to video surveillance systems and other airport infrastructure. The simple-to-use interface ensures that airport security staff can easily and effectively monitor their security systems at all times.

### Multi-segment complexes

SiPass integrated includes tenancy functionality that enables a number of companies to use the same access control system completely independently of one another. This is particularly useful in environments with residential units, commercial offices and retail outlets all under a single roof. All levels of the system are capable of handling client groups. Existing installations can be integrated without difficulty, and the use of different card technologies is not a problem.

### Hospitals

Striking the right balance between security and accessibility is highly important in hospital environments. The large traffic flow typically associated with a hospital and the combination of low-security and high-security areas make a flexible and user-friendly system like SiPass integrated the obvious access control choice.

### Manufacturing operations

Safety is of critical importance within a manufacturing or industrial facility. SiPass integrated helps address occupational health and safety issues by controlling access, providing anti-passback features, and carrying out head counts so that it is fast and easy to produce a mustering report and track cardholders during emergency cases.

## Core features

SiPass integrated includes all the access control features you would expect – such as DESfire encoding, support for fingerprint reading, time scheduling, manual system override, dynamic graphical status screen, instructional alarm response windows and a full system archiving and restoration, anti-passback and mustering, Advanced Security Programming (controller logic), multiple credentials per cardholder and advanced operator partitioning to name a few.

### Graphical User Interface (GUI) and interactive reporting

SiPass includes a user-centric design with simple, self-explanatory menu structures and buttons allowing operation via mouse, keypad or touch screen. Supported by a customizable dashboard with widget capabilities, linking and pinning the SiPass GUI improves your efficiency and lowers training costs. The SiPass integrated Operation Client ensures fast identification and evaluation of system events, provides point and-click report availability and a highly configurable information structure. It is also possible to define watch lists in the system to flag people who might pose a security risk.

### Comprehensive audit-trail logging

Operators have the opportunity to create multiple audit-trail windows to filter events. The audit-trail logging also ensures that all database changes are logged in full detail. The exact changes are both logged and displayed on screen, including a record of the operator who made them.

### Advanced alarm management

SiPass integrated's standardized alarm management system enables the configuration of up to 1,000 alarm priority levels. To facilitate faster handling, the alarms are displayed and highlighted graphically according to priority. It also offers customizable alarm instructions that support security personnel.

### Anti-passback and roll call

Anti-passback prevents the same card from being used to gain access twice. Entries to and exits from an anti-passback area must match, otherwise sub-sequent entries or exits can be denied. Anti-passback also enables roll call and mustering, which ensures the accuracy of counts of employees in different rooms and can be used in cases of evacuation or emergency where it is extremely important to have a targeted response for emergency teams.



### Partitioning of operator privileges

Partitioning can be used to split operator privileges so that operators only have access to the fields they need to maintain. The system can control which cardholders, units, FLN devices and time periods can be viewed or modified by which operators.

### Cardholder data management

Entering cardholder data into the SiPass integrated system is an easy process. If required, you can even assign multiple cards to a single card holder. The custom page design tool allows for very flexible page layout via drag-and-drop configuration, including parameter settings for individual fields and buttons.

### Escort control

Before a door can be unlocked two valid cards must be presented at the door. This feature can be useful in high-security or sensitive areas that require visitors or junior employees to be escorted by a security guard or supervisor. Both self-authorize mode and supervisor/escort mode are available.

### Door interlocking

This feature makes it possible to define a group of doors and ensures that when one door in that group is open, none of the others can be unlocked. Door inter-locking enables the creation of man traps and air locks, which are often of interest in medical, bio-tech, airport and other high-security applications.

### Video interface

The video interface makes it possible to use third party video functionality via SiPass integrated, including advanced functions such as recording based on activity in the SiPass integrated system and single-click event playback. Depending on the platform chosen, analog and/or IP cameras can be used.

### Advanced device firmware download

SiPass integrated provides a quick and easy method for changing the operation of hardware devices directly in the SiPass integrated graphical user interface (GUI). The firmware on all connected devices can be easily upgraded at the same time to ensure that all are running the latest version.

### Custom Wiegand

SiPass integrated can read virtually any Wiegand output-based card technology, which enables existing sites to easily up or cross-grade without the expense and hassle of having to purchase new cards.

### Networking options for global reach

Various networking options (LAN/WAN/PSTN) enable the system to be expanded to include a number of buildings and locations all over the world. The connection to individual locations can be secured by redundant communication pathways that are activated automatically if the main connection fails.

### Full availability

For applications that require minimal downtime, it is possible to load the SiPass integrated software onto a Stratus ever-Run FT server. This gives SiPass integrated a solid platform to handle server resilience issues.

### Advanced Security Programming

The Advanced Security Programming (ASP) feature in SiPass integrated enables system operators to create customized, site-specific activity programs and download them to the controller(s) with ease. ASP activities can be controlled and executed using time schedules.





### Add-on features

A wide variety of other advanced features are also available as add-ons. 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 for remote access, where required.

### Support for Salto offline components

This option makes it possible to add Salto offline components (doors) to a SiPass integrated system. Access control rights can be assigned to both online and offline components simultaneously in the SiPass integrated software.

### Photo ID and image verification

The photo ID and image verification option enhances the cardholder recordkeeping function by making it easy to capture photographs and signatures.

### Time and attendance export

Using this feature it is easy to extract all of the logged activity data in SiPass integrated and export it to the time and attendance application of your choice, in the appropriate format.

### Elevator management

When elevator management is used, each floor is treated like any other entry point in SiPass integrated, with associated access control options such as the time during which access is possible, daily code access, PIN assignment and even image verification for

complete security. Various elevator platforms are currently integrated, including a high level interface between SiPass integrated and thyssenkrupp Elevators (tkE) is supported. Using the tkE Service Adapter (Keytego) it is possible to create a total building access control solution.

### Guard tour

The guard tour option uses a combination of existing access or input points in the SiPass system to define routes for guard tours. It also tracks guards' progress and logs time and "tour stop" data about all tours.

### Message forwarding

The message forwarding option enables the system to automatically send customized text messages to the pagers, mobile telephones or e-mail addresses of key personnel whenever security is breached or other important events occur.

### Building management interface

The building management interface enables integration between the Desigo CC building management system and SiPass integrated.

**HR application programming interfaces (API)**

The standard HR API enables third party business applications to communicate with SiPass integrated and exchange common information, which eliminates the need to enter identical data into multiple applications. Card holder and other access control data can be accessed and modified using a Web browser or human resources system, for example.

**Management station application programming interface (API)**

The management station API enables integration with virtually any third party management system.

**Visitor management**

The visitor management option enables the use of the same graphical user interface that is used for permanent cardholders to also be used to register visitors. It is possible to capture visitors' facial images, paste in existing image files, record personal details, print access cards and locate a visitor easily.

**Graphics**

The graphics option makes it possible to design, import and construct customized graphical maps that are used by security operators to visually handle alarm conditions and continually monitor the status of all points within the system.

**Mifare card encoding (including DESfire)**

Mifare card technology makes it possible to use a single card for a variety of purposes. Complete Mifare card encoding and profile configuration is a unique feature of SiPass integrated. The system supports the encoding of both 1K and 4K Mifare cards, as well as Mifare DESfire cards.

**Intrusion module**

The intrusion module in SiPass integrated provides native intrusion detection functionality. Motion detectors can be connected directly to SiPass integrated and the system can be used as 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.

**OPC alarm & event interoperability**

SiPass integrated provides both an OPC server interface and an OPC client from those systems with real-time monitoring and notification. SiPass integrated displays it within its own graphical user interface (GUI).



**Siemens Industry, Inc.**

Smart Infrastructure  
1000 Deerfield Parkway  
Buffalo Grove, IL 60089  
Tel: (847) 215-1000

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.

© 2020 Siemens Industry, Inc. (101/2020, Part# 153-SBT-290)

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, globalwarming, and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the preferred partner for energy-efficient, safe, and secure buildings and infrastructure.”