



**ASL5000-ST, ASL5000-SE, ASL5000-FA
ASL5000-OA, ASL5000-CO**

SiPass®
integrated

SiPass® integrated core software packages

Advanced integrated access control system

- **Flexible structure**
- **Easy installation and administration**
- **Optional expansion modules available**
- **Intuitive graphical user interface (GUI)**

SiPass integrated is a Windows based client/server system with a wide range of access control and security features. Its modular architecture makes it suitable for buildings of all sizes.

SiPass integrated is easy to install and simple to administer through its easy-to-use graphic user interface (GUI). SiPass integrated allows you to control access into and around your site(s) and provides a high level of security through advanced alarm management.

SiPass integrated displays detailed, real-time information regarding events that occur at your facility in a split-pane active audit trail window. By using the optional software modules such as Photo ID, Image Verification and Guard Tour you can fulfil all of your access control requirements.

- Standard features of SiPass integrated:**
- Anti-passback
 - Siemens SIMATRIX CCTV switcher interface
 - Siemens DVR interface
 - Support for third-party cardholder data import and export via a dedicated tool
 - AES encryption
 - Support for Siemens RS485 and Clock&Data readers (CerPass Protocol)
 - Support for HID i-Class readers with RS485 (OSDP)
 - Automatic and event-triggered reporting
 - 3 wrong PIN mode
 - Dynamic graphical status screen
 - Time scheduling
 - Instructional alarm response windows
 - Programmable holidays
 - Individual / group cardholder access
 - Temporary access
 - Manual system override capabilities
 - Real-time event and message logging
 - Simple coloured-coded audit trail log
 - Intelligent built-in report generator
 - Support for report customization (audit trail)
 - Full multi-media alarming
 - Colour-coded alarm display
 - Full system archiving and restore
 - Support for most popular reader technologies
 - Bulk cardholder creation
 - Enrolment reader support
 - Multi-user, multi-tasking environment
 - Logon using full password encryption or automatic authentication windows
 - Powerful client / server architecture
 - Generic USB camera support for imaging
 - Online operator journal
 - Intuitive graphical user interface (GUI)
 - Comprehensive online help system
 - Support for IP camera image streaming (RTSP)
 - Search on any card holder information
 - Custom transaction logs
 - Hardware auto-discovery
 - Ability to import watchlists
 - Biometric Integration
 - Desfire Encoding
 - Advanced Security Programming
 - Granta controller support
- Advanced features of software extension packages:**
- Visitor management
 - Guard tour
 - Photo ID and card printing
 - Batch card printing
 - Image verification
 - Configurable messaging to pagers and mobile phones (SMS), using local provider support
 - Alarm and message forwarding to other SiPass integrated servers
 - Dynamic full-colour graphics
 - Support for more than 30 different file formats including AutoCAD files
 - Comprehensive symbols library
 - Data synchronizer functionality
 - Low-level elevator access control
 - High-level elevator access control
 - HR API allows cardholder data to be shared among applications
 - Card encoding, including bar codes, magnetic stripe and Mifare smart cards
 - CCTV third-party high-level matrix switcher interface
 - Digital video recorder (DVR) third-party management interface
 - Dedicated Micros, Bosch, and DVTel DVR support
 - Mifare card enrolment and authentication (1k and 4k cards supported)
 - Intrunet intrusion panel integration
 - Multiple tenant support
 - Server redundancy
 - Online visual reporting
 - Interactive reporting (actions based on report results)
 - Time recording export functionality
 - Time calculation feature
 - Intrusion module
 - Custom Wiegand format support
 - Offline access control
 - Door interlocking sets
 - Dual custody support
 - PIN only mode for door entry
 - Custom cardholder page creation with drag and drop tools
 - Virtual monitor matrix video display
 - SPC Integration
 - CCTV Command Mapping
 - DVR API

ASP Functionality

The Advanced Security Programming (ASP) functionality operates like a flexible and powerful activity programming engine.

As a unique capability, this feature allows users to visually design activity programs in the system and download it to the controller. Activities are then executed from the controller.

The SiPass Explorer interface presents client users with a versatile set of tools to design and customize activity programs that can consist of multiple triggers, logical relationships and resulting effects.

This innovative feature supports entities like Access/Input/Output points, Access Events, Intrusion/Anti-Passback areas, Workgroups, Door-Interlocking Sets, Floors, etc.

Further, it allows users to incorporate Virtual Components like Flags, Timers and Counters with activities.

The innovative and versatile ASP feature has been added to SiPass integrated to provide the flexibility to meet specific security requirements of different customer sites.

Key Highlights of ASP

Ability to design customized activity-programs

The superiority of the Advanced Security Programming (ASP) feature lies in its ability to empower users to create their own customized activity programs for their site. Users have the flexibility of configuring Activities based on specific requirements of their site, without having to contact vendors for related firmware modifications.

Single Controller, Multiple Activities

As part of the ASP feature, a single Advanced Central Controller (ACC) can execute multiple ASP activities simultaneously.

Further, a single ASP activity can be executed from multiple ACCs.

Time-Schedule Control of Activity Execution

Users can configure ASP activities to be controlled and executed by Time Schedules.

Cardholder Management

The SiPass integrated cardholder management functionality was designed to tightly integrate effective cardholder management with a wide range of other functions that enables the user to easily manage cardholder information, contact details, card number, address, photo and signature. An unlimited number of additional customer data fields are available for creation using the drag and drop "Custom Painter Application". All access privileges are fully configurable and can be shown in a short overview screen. All data is protected via the operator partitioning functionality. SiPass integrated also allows you to share cardholder information with other applications using the optional HR interface.

- Operator partitioning protects cardholder data
- Fully configurable access privileges
- Extensive cardholder search facilities
- Unlimited pages of custom cardholder fields can be created
- Possible to use multiple card formats at one facility (multi-tenant functionality)
- Photo ID option allows cardholder photos and signatures to be stored
- Instant recall of cardholder images and records from the audit trail
- Extended entry time for mobility challenged cardholders
- HR interface allows cardholder data to be shared among applications

The screenshot shows a 'Cardholder' management window with several tabs: Definition, Personal, Vehicle, Imaging, Tracking, and Control. The 'Personal' tab is active. Under 'Cardholder Identification', there are fields for Card Number (0569326984), Employee Number, Last Name (Smith), First Name, 2nd Card No., and 2nd Pin Number. A 'Work-group Id' dropdown menu is set to 'Visitor'. Below this is an 'Access Control' section with a large empty box. At the bottom, there are fields for Pin Number, Card Status (Valid), Start Date (16.07.2004), and End Date (16.07.2004). A 'General Data' section is also present. At the bottom of the window are buttons for 'Encode Card', 'Read Card', and 'Assign Card'.

Database Partitioning

The advanced database partitioning functionality safeguards your facility's records by restricting operators' access to the data they need to do their work, rather than giving them access to all the data in the system. The secure authentication process can be done via a logon using full password encryption or automatic authentication Windows. Configurable profiles for each individual operator allow the assignment of privileges. These privileges are partitioned as:

- Audit trail messaging
- System functions
- Cardholders
- Points
- Graphical maps
- Reports

The screenshot shows an 'Operator Group' configuration window. It has tabs for Operator Group Name, System Function, Point Group, Work Group, Plan, Audit Trail Reports, and Custom Pages. The 'Operator Group Name' dropdown is set to 'Administrator'. Below this is a 'Display Audit Trail messages' section with checkboxes for Lggon/Logoff, Comms actions, Alarm actions, Database actions, and Event Task. There is also a 'Group Lock Out' checkbox. At the bottom are 'Save', 'Delete', and 'Close' buttons.

Ability to control information to observe privacy regulations.

Alarm Handling

The ability to handle alarms quickly and efficiently is crucial to an access control and security system. SiPass integrated's alarm handling gives you ultimate flexibility when responding to alarm and emergency situations at your facility. Up to 1 000 customised alarm priorities can be created, allowing you to prioritize a huge number of alarm scenarios. Depending on operator preference, alarms can be actioned from the alarm queue window, a popup warning dialog or a graphic map of the facility.

- 1 000 configurable alarm priorities
- Send alarm details to OPC-compliant software applications
- Graphical maps updated in real-time
- Alarm instructions outline the correct responsive action every time
- Multiple ways to action alarms
- Alarm queue can be sorted to show alarms in variable order
- Alarms of higher priority can override current operator activity
- System rechecks alarm status automatically
- Configurable alarm classes for each system component
- Create predefined alarm responses

Status	Description	Alarm/Restore	Symbol Name	Dial Back
Alarm	Breakglass Activated	Alarm	Breakglass Activ...	No
Normal	Breakglass Reset	Restore	Breakglass Normal	No

Remote Access

Remote communications are an essential component of any modern access control and security system. SiPass integrated continues to provide solutions for facilities of any size or structure, with dialup and virtual private network (VPN) access for the ACC series of hardware. Remote access has been specifically designed to work in tandem with the secure, flexible and fast architecture of the SiPass integrated system itself.

- Multiple ACCs on a single remote connection
- Secure encryption and transmission of data
- Automatic connection back to the SiPass integrated server when remote audit trail buffers approach capacity






Communication Redundancy

Protecting the communications link between the server and the hardware controllers is critical to ensure the highest standard of access control. SiPass integrated has a number of integrated options that provide superior communications channel backup and redundancy without requiring major restructuring of a network or the purchase of expensive third-party applications.

- Built-in communications redundancy uses existing network architecture
- Dialup redundancy in case of Ethernet communications loss
- Automatic dial-in to server from ACCs when network is offline
- ACC redials server at configurable intervals if line is busy
- Backup phone number and modem provide double protection

Software Basic Packages

The SiPass integrated access control software is available in different basic packages depending on the size of the access control installation. If a system expansion is required in the future, a software upgrade is always possible.

	SiPass integrated software packages	Description
	Starter	16 doors 1 000 cards 1 server 1 client MSDE database No expansions or options possible
	Standard	24 doors 1 000 cards 1 server 1 client MSDE database (If more than 10 000 card-holders or 5 clients a SQL database ¹ is required) Expansions or options available
	Facility	32 doors 5 000 cards 1 server 2 client MSDE database (If more than 10 000 card-holders or 5 clients a SQL database ² is required) Expansions or options available
	Optima	64 doors 10 000 cards 1 server 3 clients SQL database Expansions or options available
	Corporate	128 doors 25 000 cards 1 server 5 clients SQL database Expansions or options available

Software Extensions

The following extensions are available for all the SiPass integrated software packages except the Starter. The extensions can be installed at multiple sites.

Extension	Description
Database extension for 1 000 cards and for 10 000 cards	The SiPass integrated database is extended for an additional 1 000 /10 000 cardholders.
Database extension for 8 doors or 32 doors	The SiPass integrated database is extended for an additional 8 doors

¹ Is not included in the software package

² Is not included in the software package

Software Upgrade Packages

The following packages are available for software upgrade.

Upgrade package	Description
Upgrade Starter – Standard	Upgrade from Starter to Standard
Upgrade Standard – Optima	Upgrade from Standard to Optima package
Upgrade Standard - Facility	Upgrade from Standard to Facility package
Upgrade Standard - Corporate	Upgrade from Standard to Corporate package
Upgrade Facility - Corporate	Upgrade from Facility to Corporate package
Upgrade Optima - Corporate	Upgrade from Optima to Corporate package

Additional Software Options

A number of software options are available. For installation of these modules a SiPass integrated Standard or Optima package is required. For further details please see the respective product data sheets.

Type	Part no	Designation
ASE5100-WS	6FL7820-8AE00	Additional Workstation
ASE5300-CW	6FL7820-8AE01	CCTV Capability on a SiPass integrated Workstation
ASE5300-ID	6FL7820-8AE02	Photo ID and Image Verification
ASE5300-MF	6FL7820-8AE03	Message Forwarding
ASE5300-AP	6FL7820-8AE04	HR Application Programming Interface (API)
ASE5300-VM	6FL7820-8AE05	Visitor Management
ASE5300-LE	6FL7820-8AE06	Low-Level Elevator Management
ASE5300-GT	6FL7820-8AE25	Guard Tour
ASE5300-DS	6FL7820-8AE14	Data Synchronizer
ASE5300-GP	6FL7820-8AE17	Graphics
ASE5300-CB	6FL7820-8AE26	CCTV Third-Party High-Level Matrix Switcher Interface
ASE5300-ME	6FL7820-8AE20	Mifare Encoding & Enrollment
ASE5300-DV	6FL7820-8AE21	Digital Video Recorder (DVR) Third-Party Interface
ASE5300-TR	6FL7820-8AE22	Time Stamp Export (text output)
ASE5300-IN	P24246-P2801-A1	Intrusion
ASE5300-MM	P24246-P2803-A1	MM8000 Interface
ASE5300-AI	P24246-P2800-B1	Apogee interface
ASE5300-HA	P24246-P2805-A1	Extended HR Application Programming Interface (API)
ASE5300-HL	6FL7820-8AE07	High-level Elevator Management Interface
ASE5300-MA	P24246-P2803-A1	Management Station Application Programming Interface (API)
ASE5300-OC	6FL7820-8AE13	OPC Client
ASE5300-OS	6FL7820-8AE12	OPC Server Interface
ASE5300-TE	6FL7820-8AE24	Additional site/facility code license
ASE5300-VA	P24246-P2804-A1	DVR Application Programming Interface (API)

Please Note:

An interface to Siemens CCTV Matrix Switchers (SIMATRIX) and DVR units (SISTORE) is included in the core license.

Hardware - SiPass integrated

SERVER:

Operating system	Windows 7 / Windows Server 2008 / / Windows Vista / Windows Server 2003 and Windows XP
DBMS	MS SQL Server 2005 – Standard Microsoft Server 2005 – Express (max. of 5 Client Workstations) MS SQL Server 2008 MS SQL Server 2008 Express - (max. of 5 Client Workstations)
Processor	Pentium IV (Intel Core™ 2 recommended)
RAM	Min. 1024 MB Min. 2GB with MS SQL Server 2005
Hard disk drive	80 GB
Ports	Ethernet 100MB Recommended

SiPass integrated HR API

Client:

Operating system	Windows XP / Windows Vista / Windows 7
Processor	Pentium IV
RAM	Min. 256 MB
Hard disk drive	40 GB

SiPass integrated Client

(Standard / CCTV / Imaging)³

Operating system	Windows XP / Windows Vista / Windows 7
Processor	Pentium IV
RAM	Min. 256 MB
Hard disk drive	40 GB
Screen resolution	1024 x 768, 256 colours min.
Ports	Ethernet 100MB Recommended

SiPass integrated CCTV Bus

Driver:

Operating system	Windows XP / Windows Vista / Windows 7
Processor	Pentium IV
RAM	Min. 256 MB
Hard disk drive	40 GB
Ports	1 RS232

³ To view real-time CCTV images on-screen a video capture card must be installed in the client PC.

⁴) For current Service Pack support, Please contact Technical Competence Centre (TCC).

SiPass integrated standard software license

Type	Part no.	Designation
ASL5000-ST	S54511-P2-A1	SiPass integrated Starter
ASL5000-SE	6FL7820-8AA10	SiPass integrated Standard
ASL5000-FA	S54511-Z20-A1	SiPass integrated Facility
ASL5000-OA	6FL7820-8AA20	SiPass integrated Optima
ASL5000-CO	S54511-Z21-A1	SiPass integrated Corporate

In addition to the licence the SiPass integrated software CD has to be ordered in the desired language.

Note: Please check with the Technical Competence Centre (TCC) for the latest information about which language versions are currently available.

Type	Part no	Designation
ASB5000-EN	6FL7820-8FD10	SiPass integrated Software CD (English)
ASB5000-DE	6FL7820-8FD11	SiPass integrated Software CD (German)
ASB5000-FR	6FL7820-8FD12	SiPass integrated Software CD (French)
ASB5000-NL	6FL7820-8FD13	SiPass integrated Software CD (Dutch)
ASB5000-ES	6FL7820-8FD14	SiPass integrated Software CD (Spanish)
ASB5000-PL	6FL7820-8FD15	SiPass integrated Software CD (Polish)
ASB5000-IT	6FL7820-8FD17	SiPass integrated Software CD (Italian)
ASB5000-ZH-CN	S54511-P1-A105	SiPass integrated Software CD (Chinese)
ASB5000-RU	S54511-P1-A102	SiPass integrated Software CD (Russian)
ASB5000-CS	S54511-P1-A101	SiPass integrated Software CD (Czech)
ASB5000-DA	6FL7820-8FD16	SiPass integrated Software CD (Danish)
ASB5000-NO	S54511-P1-A104	SiPass integrated Software CD (Norwegian)
ASB5000-HE	S54511-P1-A103	SiPass integrated Software CD (Hebrew)
ASB5000-HU	S54511-P19-A1	SiPass integrated Software CD (Hungarian)

SiPass integrated extensions for SiPass integrated Standard, Facility, Optima and Corporate:

Type	Part no.	Designation
ASE5100-WS	6FL7820-8AE00	Additional workstation
ASE5100-OC	P54511-P12-A1	License for 8 offline components (doors)
ASE5100-BA	6FL7820-8AD10	Database extension for 1 000 cards
ASE5100-BB	S54511-P22-A2	Database extension for 10 000 cards
ASE5100-DO	6FL7820-8AD20	Database extension for 8 doors
ASE5100-DE	S54511-P22-A1	Database extension for 32 Doors

SiPass integrated software upgrade for packages:

Type	Part no.	Designation
ASL5000-US	6FL7820-8AB00	Upgrade Starter – Standard
ASL5000-UO	6FL7820-8AB10	Upgrade Standard – Optima
ASL5000-UF	S54511-P23-A1	Upgrade Standard - Facility
ASL5000-UC	S54511-P24-A1	Upgrade Standard - Corporate
ASL5000-FC	S54511-P25-A1	Upgrade Facility - Corporate
ASL5000-OC	S54511-P26-A1	Upgrade Optima - Corporate

Issued by
Siemens AB
Infrastructure & Cities
Security Products
International Headquarters
Englundavägen 7
SE-171 24 Solna
Tel. +46 8 629 0300

© 2011 Copyright by Siemens AB

Data and design subject to change without notice.
Supply subject to availability.

Document no. **A24205-A335-B119**
Edition 17.11.2011