Symphony™ Access Control

Open, integrated electronic access control management
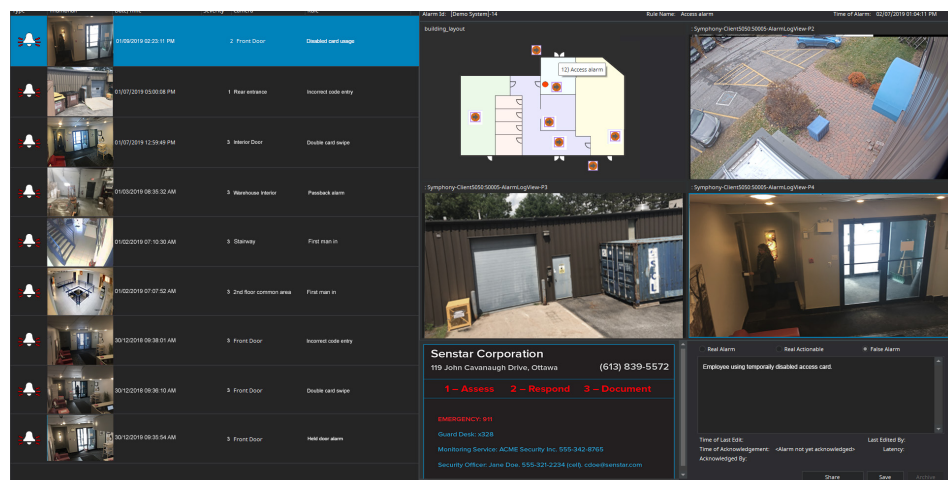

FEATURES AND BENEFITS

- Manage legacy and IP-based access control hardware from major vendors
- Monitor alarm, intrusion, HVAC and fire detection devices
- Display video of access control events in the Symphony VMS (each event can be linked to graphical map and mulitiple video feeds)
- Comprehensive modules for:
  - Event management
  - Device management
  - User enrollment
  - Access levels and profiles
  - Schedules
  - Triggers and macros
  - Logging and reporting
- Active Directory synchronization
- Runs on Windows operating systems and commercial off-the-shelf hardware
- Per-door licensing, no artificial device limits

Symphony Access Control (AC) is an open platform designed to manage hardware controllers used for access control, intrusion, and HVAC systems. With support for both legacy and IP-based systems, Symphony AC eliminates vendor lock-in, enabling site owners to manage hardware from multiple vendors in a single easy-to-use interface.

Available as a standalone application, Symphony AC provides a full set of access control functions, including enrollment, scheduling, monitoring, and reporting.

Access control events can be used in the Symphony VMS as triggers for rules, camera call-up, and alarm generation. Each alarm can be linked to a map location and multiple video feeds, enabling each event to be viewed from different camera perspectives or locations.

For security personnel monitoring the building, this means only one application is required to monitor and respond to events, with live and recorded video being accessible from the Symphony VMS Windows, web, and mobile clients.

Symphony VMS displaying access control events within its Alarm Console. Alarms appear in the alarm log as well as on a graphical map.

 DATASHEET

Avoid vendor lock-in

Symphony AC eliminates vendor lock-in by supporting a wide range of controller hardware, including systems from Axis, HID, Mercury, ZKAccess, Allegion, and Assa Abloy. In addition, it integrates with industry-standard intrusion, HVAC, and elevator control panels.

Managed controllers appear within a hierarchical list in the Hardware Manager module. Each controller can be expanded to show connected devices like door contacts, strikes, and readers. A controller status screen simplifies setup and troubleshooting.

Hardware Manager module

Symphony AC supports up to 10,000 auxiliary output contacts/relays for integrating with devices not directly managed by controller hardware, such as non-reader-controlled doors or audible alarm devices.

Link access control events to video

Symphony AC monitors all events generated by the access control devices, including card swipes, door activity, trigger activations, schedule changes, and operator activity.

Access control events can be used to trigger alarms in the Symphony VMS Alarm Console as well as within the AC software itself in either an alarm window or on a graphical map. When displayed in the Symphony VMS, the alarms are linked with video, enabling security personnel to immediately view events as they occur as well as post-incident analysis.

From within the Symphony AC administration client, events appear in the Event Manager as well as on a graphical map. Operators can click on a device to send a specific command, such as alarm mask, door unlock, or auxiliary device activation/deactivation.

Graphic Map module

Zones, access levels, and schedules

Symphony AC enables site owners to divide the building into logical access zones and enable/disable access based on user access levels.

Access can also be controlled based on business schedules as well as individual employee vacation dates. For example, access to public areas may be uncontrolled during business hours but require a card swipe after hours.

Provision users

Symphony AC includes a Personnel Manager module to easily administer and provision access privileges for employees. The software module supports access levels, templating, activity history, custom fields, vacation times, PINs, and photo upload (via files or TWAIN-compatible cameras).

User data can also be pulled from HR systems, Active Directory, SQL Server, Open Database Connectivity (ODBC) sources, and text/CSV files.

Personnel Manager module

Point and click report generation

System administrators can easily generate historical event reports based on various criteria, including by person, reader, and event type. Reports can be exported as PDF, CSV and XML formats for use in other applications.

Log Manager module

## Import existing configuration data

Symphony AC is designed to work with a wide variety of third-party systems and includes a data import utility for scheduling regular updates using Active Directory, Open Database Connectivity (ODBC), comma-separated values (CSV), and tab-delimited text data sources. This enables the system to be integrated with HR databases and other systems to streamline building and employee operations.

Simplified deployment and support

Managing building security via the deployment of both Symphony AC and Symphony VMS simplifies installation, training, and support requirements. Help is available from a single phone number or email address, and issues can be resolved without being bounced back and forth between vendors.

Licensing is also simplified. Both Symphony AC and Symphony VMS use per-door licensing, meaning you only need to license for your immediate requirements. You retain the option to add additional doors, devices, or cameras at a later time, without having to upgrade or install new software.

Open architecture with legacy support

Sample deployment with integrated access control and video
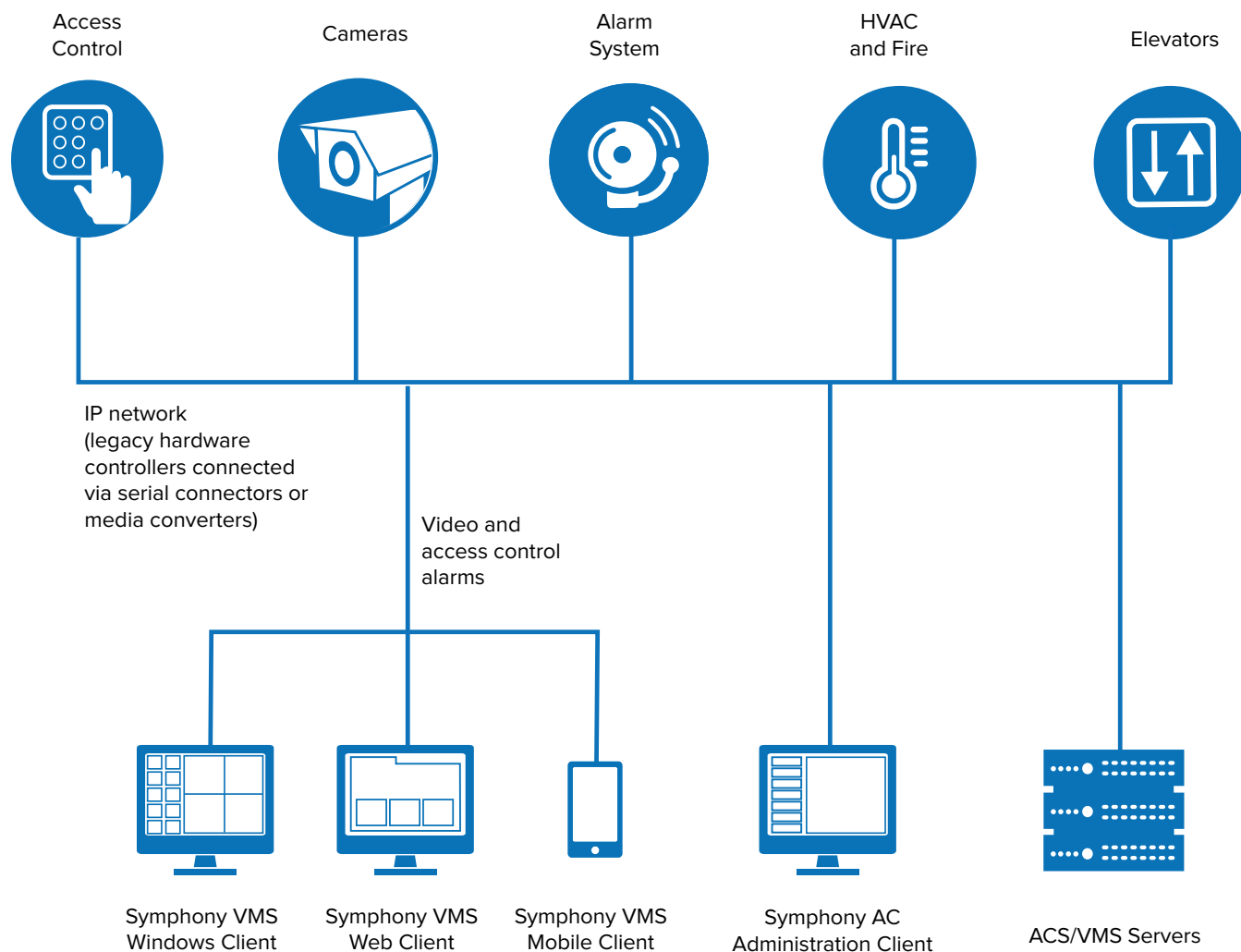
Technical Specifications

GENERAL FEATURES

- Support multiple controllers within one system
- Use existing hardware from any Mercury or HID-based system
- Migration path for Avigilon, Lenel, Maxxess, Genetec, Honeywell, Quintron, Open Options, Johnson Controls, and S2 Security systems (contact Senstar for a complete list)
- Windows client
- Data import utility
- Local, Windows, and Active Directory based authentication
- Software modules:
    - Hardware Manager
    - Time Schedules / Holidays
    - Access Levels
    - Personnel Manager
    - Report Manager
    - Graphic Maps
    - Alarm Manager
    - Attendance
    - Device Groups/Areas
    - Log Manager / Reports
    - Event Manager
    - Triggers and Macros
- Customizable operator profiles and user interface
- Supported languages: Arabic, Chinese, English, French, German, Portuguese, Spanish, Swedish

OPERATIONAL SECURITY FEATURES

- Anti-passback
- First man in
- Man traps
- Mustering (reader verifies employee location)
- Occupancy control
- Two man rules
- Visitor profiles
- Holiday/vacation schedules

TRIGGERABLE ACTIONS

- Door: momentary unlock
- Door: card/PIN, card only, PIN only
- Control point: activate, deactivate, pulse (Configurable timer)
- Alarm panel: arm, disarm, force arm
- First man in / snow day
- Global I/O linking
- Activate device / group areas
- Delay commands
- Macro commands
- Run an executable
- Set trigger variables
- Execute command file
- Interlocking

REPORTING

- Custom filtering
- Export options: XLS, XML, HTML, PDF, TXT
- Email

SYMPHONY VMS INTEGRATION

- View access control events in alarm console
- Display event on graphical map
- Link up to 4 cameras to each event
- Trigger additional VMS actions

COMPUTER REQUIREMENTS

- Windows operating systems (Windows 7+)
- Support for Windows-compatible virtualization solution
- SQL Server (all editions)

SUPPORTED DEVICES AND SYSTEMS

Access control devices
- Axis A1001
- HID VertX/Edge EVO
- HID card readers/credentials (including mobile)
- Mercury (All controllers)
- ZK Access (ACP/inBIO)
- Schlage / Allegion AD300, AD400 series
- Assa Abloy Aperio, WiFi and PoE

Alarm / intrusion systems
- Bosch G and B series
- DMP XR100, Xr500, XR550
- Elk M1

HVAC and fire devices
- Inovonics EN4000 and EN1723 temperature sensor
- Elk M1 Gold SEries
- Edwards Fire Panel EST3
- Devices using serial network interface

Elevator systems
- Kone
- Mercury
- ZKAccess

Management software
- Easy Lobby

HR systems
- Active Directory
- ODBC
- CSV/text file

Biometrics
- Safran MorphoTrak - 4G V-Flex, MorphoWave, Morpho 3D Face MorphoAccess 5 series, VP series, SIGMA
- Suprema Facestation, BioStation (1, 2, T2), BioEntry W and Plus, BioLite Net and Solo, Xpass, BioMini
- ZKAccess BioCam300, FR1200, FR1300, F18, F21, MultiBio 700 and 800-H

Part	Description
AIM-SYM7-AC	Symphony AC software (version 7)
AIM-SYM7-AC-MS-xY	Symphony AC maintenance and support, where x is the number of years (1 to 5)

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