Genetec

synergis

Access Control
That Grows Alongside Your Company

Innovative **Solutions**

Synergis™ is the IP access control system of the Security Center, Genetec's unified security platform. Organizations seeking to manage cardholders and visitors and secure restricted or high-priority access points choose Synergis for the right reasons:

Experience The Cost-Cutting Benefits of IP

Forget outdated serial communication and network adapters. Synergis is designed with end-to-end IP connectivity for cost-cutting benefits such as less wiring and a more efficient installation. You can configure and manage your access control system and peripherals over any IP network. And use Synergis to handle thousands of access events per second from all over your network.

Opt for A Flexible System That Adapts to Your Needs

An open and distributed architecture makes Synergis customizable. Integrate Synergis with other third-party corporate and building systems. Replace existing door controllers with compatible IP-enabled controllers. Build a new system with IP-enabled readers. And maximize your network by distributing all of Synergis' server components over many networked machines. You make all the decisions.

Become More Efficient with A User-Friendly System

As part of Genetec's unified security platform, monitoring and reporting for Synergis is achieved through an ultramodern user interface. Single-click widgets appear to unlock or lock doors. Drag-and-drop features make it easy to review events, cardholder picture ID, badge ID, or live or recorded video. And, simplistic visitor and cardholder management saves operators time, and your business, money.

Count on A System That Is Always Up and Protected

Synergis' robust system design provides peace of mind. In case of server failure, Synergis' offline mode ensures door controllers will continue to control access and record events. No information will be lost at any time. And intricate security features like encryption and user-access privileges enhance system security.

Grow Your System As Your Security Needs Evolve

Your company growth has no limits. And neither does Synergis. Grow your system one door or reader at a time. Or expand your system across multiple buildings regardless of their location. Synergis supports an unrestricted number of doors, controllers, and client workstations thanks to a unique feature called Federation.

Key Product Features
That Make All The Difference

Integrated Badge Designer. Create multiple badge templates for cardholders and print either single-sided or dual-sided badges. Custom card sizes, import/export of badge templates and batch printing are also supported.

Built-In Visitor Management. Check-in visitors by entering their information, assigning a new or existing credential, assigning them to a visitor group, and printing a badge. This is all done from an easy enrolment tool.

Alarm Management. Configure or trigger alarms based on different events and associate each event to specific users and required actions such as acknowledge, forward, snooze or show the procedure.

Advanced Reporting. Generate access control reports and report templates for alarms, areas, cardholders, credentials, doors, elevators, units, visitors and zones. Or customize your reports and save them for future use.

Web Client. Remotely and securely configure and manage all Synergis components through Web applications without having to install any applications on your PC.

Federation. Unify multiple independent Synergis systems under a single virtual system for ease of global access control monitoring, alarm management, and reporting across sites and time zones.

Active Directory Integration. Centralize the management and synchronization of Windows user accounts with Synergis' user and cardholder accounts and automate cardholder account creation and deactivation.

Software Development Kit (SDK). Integrate badging, payroll, enterprise resource planning, human resources management systems (HRMS), or building management systems. Or develop custom business applications with a mature software development kit.

Zone Monitoring. Group together one or more inputs for real-time zone monitoring. Events generated by a zone can trigger alarms or custom actions to activate an output module's relay.

Automatic Email Notification. Configure Synergis to automatically send email notifications to specific recipients when an event is detected in the system.

People Counting and Area Presence Tracking. Get a real-time count of people within one or more specific areas and generate area-presence reports on demand.

Partitioning and Privileges. Segment the access control system into smaller sub-systems. Assign users to each partition with their specific privileges and access to entities. Partitioning is ideal for enterprise-class systems and multi-tenant applications.

Area Interlock and Lockdown. Configure two or more doors within an area as an interlock, whereby only a single door can remain open at any point in time. Enable the Interlock feature for doors with or without readers and use other functions such as lockdown and override.

More System Capabilities
and Technical Specifications

User Interface

Fully configurable and task-oriented user interface

Dedicated access control tasks for monitoring and reporting

Multi-monitor support

User configurable event list and display tile views

View access control events and associated video within each tile

Advanced search tool for cardholders and door entities

System Configuration and Monitoring

Monitoring and management of access events and alarms

Verification of cardholder picture IDs against live or recorded video

Support for one or more cameras per door

Unified task for configuring and managing credentials, cardholders, and access rights

Custom door unlocking schedules

Monitoring of dynamic graphical maps

Zone monitoring (input points)

Unlocking schedules and exceptions

Remote unlocking of doors

Manually override door unlocking schedules

Drag and drop events/alarms from list onto display tile

Viewing of HTML files including alarm instructions

Add, delete, or modify a user, user group, door

Automatic email settings

Scheduled backups of the databases

Shared access rights and privileges through user groups

Multiple cardholder activation/expiration options

Card only or card and keypad authentication modes

Extended grant time

Import tool for third-party data import (CSV file format)

Support for hundreds of custom fields

Area antipassback

Elevator control

Macros or custom scripting support

Alarm Management

Full range of alarm management controls

Configurable alarm retention period options

Handles thousands of alarms per second

Support for hundreds of alarm priority levels

Acknowledgement, snooze, and forward alarms

User defined procedures

Mandatory incident entry upon alarm acknowledgement

Import, view, and acknowledge video surveillance alarms

Visitor Management

Fully integrated check-in and check-out of visitors

Single entry form for quick visitor enrolment

Single-click visitor check-out

Real-time visitor tracking and visitor reporting

Assign actual access cards to visitors or paper badges

Support for visitor badge templates, including pictures and custom fields

Real-time modification of visitor information

Remote check-in available via web client

Badge Design

Embedded badge design functionality

Dual-sided badge design and printing

Multiple picture capture options such as webcam, video camera and picture import

Badge template import and export

Copy and paste of badge template objects

Variety of settings for object transparency, text orientation, and auto-sizing of text

Portrait and landscape badge formats (CR70, CR80, CR90, CR100)

Support for custom badge format sizes

Barcodes support

System Security

Encrypted communications between client and server applications

Configurable user and user group privileges

Secure remote access capabilities

Authenticated user logins

Support for Windows Active Directory

User activity logs and audit trails

HTTPS support for web client

Advanced Reporting

Configuration, activity, audit trail, incident, time and attendance, alarm, and visitor report

Comprehensive event filtering

Print and email actions

PDF, Microsoft Excel, and CSV export options

Customization options include setting filters, report lengths, and timeout period

Automatically email schedules of pre-configured report templates

System Configuration

Auto-discovery of door controllers and IO modules

Full door controller and IO module configuration

Import tool to import large amounts of cardholder and card data

Maintenance mode

Silent installation for mass deployment and upgrades

Customized controller settings based on card and reader specifications

Controller/reader unit swap utility for controller/reader replacement

Supported Languages

English / French / Dutch / German / Japanese / Portuguese (Brazilian) / Spanish

Standalone or Unified with Video Surveillance and LPR

Synergis can be installed as a standalone access control system or unified with Genetec's Omnicast IP video surveillance and AutoVu IP license plate recognition systems within the Security Center. Unification within the Security Center offers customers a single platform from which to manage and monitor all of their security and safety applications, generate consolidated reports, and centralize all of their alarm management.

Hardware and Software Integration Capabilities

Unified with Omnicast IP video surveillance and AutoVu LPR under the Security Center platform

Single-reader, two-reader, up to 64-reader controllers

IP- and RS485-based controllers

PoE-enabled door controllers

Proximity, smart card, and biometric readers

Badge printers

Biometric readers

Support for Wiegand protocol and Clock-and-Data

Building automation solutions

Heating, ventilating and air conditioning systems (HVAC)

Human resources management systems (HRMS)

Enterprise resource planning (ERP) systems

Payroll systems

Time and attendance systems

Intrusion detection systems

Minimum **System Requirements**

Client Station Requirements

Low (64 readers or less[1])
- Intel® Pentium® Dual-Core 2.5 GHz or better
- 2 GB of RAM or better
- 80 GB hard drive
- 3D graphics card required with Direct3D support (256 MB or better, x16)
- 1024 x 768 or higher screen resolution
- 10/100/1000 Ethernet Network Interface Card
- 16x DVD+/- RW Drive[2]
- Sound Card

Medium (256 readers or less[1])
- Intel® Core® 2 Duo 3.0 GHz or better
- 2 GB of RAM or better
- 80 GB hard drive
- 3D graphics card required w/ Direct3D support (256 MB or better, x16)
- 1280 x 1024 or higher screen resolution
- 10/100/1000 Ethernet Network Interface Card
- 16x DVD+/- RW Drive[2]
- Sound Card

High (256 readers or more[1])
- Intel® Core® 2 Duo 3.0 GHz or better
- 4 GB of RAM or better
- 80 GB hard drive
- 3D graphics card required w/ Direct3D support (512 MB or better, x16)
- 1600 x 1200 or higher screen resolution
- 10/100/1000 Ethernet Network Interface Card
- 16x DVD+/- RW Drive[2]
- Sound Card

Server Requirements

Low (64 readers or less[1])
- Intel® Core® 2 Duo 3.0 GHz or better
- 2 GB of RAM or better
- 80 GB hard drive
- Standard SVGA video card
- 1024 x 768 or higher screen resolution
- 10/100/1000 Ethernet Network Interface Card
- DVD ROM drive

Medium (256 readers or less[1])
- Dual Core Intel® Xeon® 2.66 GHz or better
- 4 GB of RAM or better
- 80 GB hard drive
- Standard SVGA video card
- 1024 x 768 or higher screen resolution
- 10/100/1000 Ethernet Network Interface Card
- DVD ROM Drive

High (256 readers or more[1])
- Quad Core Intel® Xeon® 2.0 GHz or better
- 4 GB of RAM or better
- 80 GB hard drive
- Standard SVGA video card
- 1024 x 768 or higher screen resolution
- 10/100/1000 Ethernet Network Interface Card
- DVD ROM Drive

Software Requirements

Operating Systems[3]
- Microsoft® Windows 7 Professional 32-bit/64-bit
- Microsoft® Windows XP Pro SP3 32-bit/64-bit
- Microsoft® Windows Vista SP1 Business or Ultimate 32-bit/64-bit
- Microsoft® Windows Server® 2003 Standard Edition SP1/SP2/R2 32-bit/64-bit
- Microsoft® Windows Server® 2003 Enterprise Edition SP1/SP2/R2 32-bit/64-bit
- Microsoft® Windows Server® 2008 Standard Edition SP2/R2 32-bit/64-bit
- Microsoft® Windows Server® 2008 Enterprise Edition SP2/R2 32-bit/64-bit

Database Engines
- SQL Server 2005 Express/Standard/ Enterprise SP2/SP3
- SQL Server 2008 Express/Standard/ Enterprise

Browsers
- Internet Explorer 7 or 8 (for Web Client)

Virtualization
- VMware ESX 4.0

1- Door reader counts are estimations. In order to determine which configuration is best suited for your application, please contact the Genetec Sales Engineering team at salesengineering@genetec.com.

2- A DVD+/- RW drive is recommended in order to export archived video sequences.

3- Installation of the Security Center and Synergis is not supported on a Windows 2003/2008 Server running a Domain Controller.

About Genetec

Genetec is a pioneer in the physical security and public safety industry and a global provider of world-class IP license plate recognition (LPR), video surveillance and access control solutions to markets such as transportation, education, retail, gaming, government and more. With sales offices and partnerships around the world, Genetec has established itself as the leader in innovative networked solutions by employing a high level of flexibility and forward-thinking principles into the development of its core technology and business solutions. Genetec's corporate culture is an extension of these very same principles, encouraging a dynamic and innovative workforce that is dedicated to the development of cutting-edge solutions and to exceptional customer care. For more information, genetec.com.

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