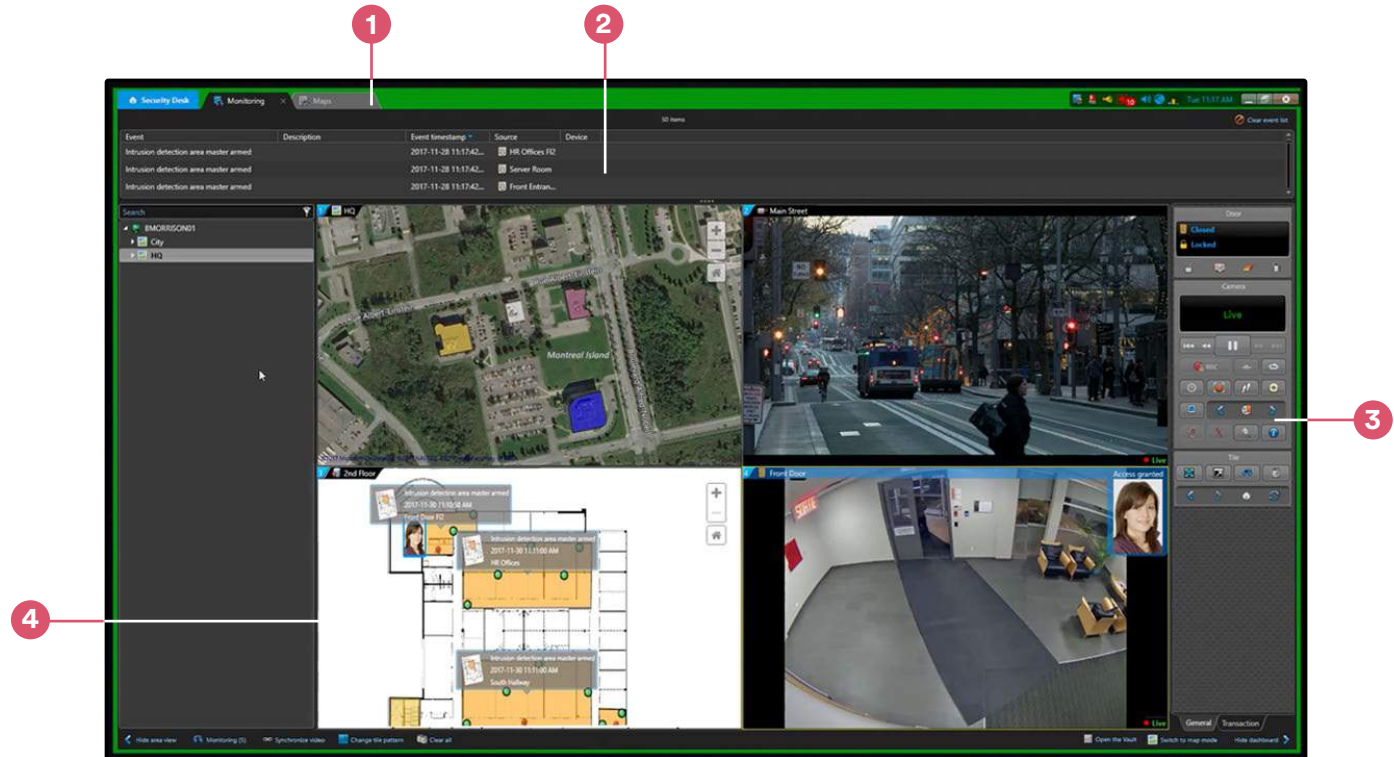# Genetec Synergis™ IX

The power to unify security

Managing security is easier when systems are built to work together. Synergis™ IX hardware merges access control with intrusion monitoring and provides a gateway to our unified platform, Security Center. This means you can unify your video, communications, and other security technology to quickly see what's happening – right across your operation.

Unified access control, intrusion monitoring, video and more

Synergis IX has a large selection of hybrid controllers, interface modules, readers and keypads designed to work with the Genetec™ Security Center Synergis platform. This platform unifies access control and intrusion functions with video surveillance, communications and more. Which means you can reap the benefits of reduced costs, enhanced operational efficiencies, and gain greater insight into your security environment.

Get a complete view of your security

Monitor in real-time everything that is going on in your facility and get a better understanding of your security environment. Investigate in real-time, a variety of different events with the help of live video and detailed event monitoring information. Overall improving agility, and informed decision making.

1   Multi-task view
Keep multiple tasks open at the same time to allow your operators to see and do more like manage cardholders, arm and disarm areas, and run reports.

2   Detailed event monitoring
Receive detailed cardholder information for all door and intrusion areas.

3   Access and intrusion widgets
Take quick actions such as unlocking a door, disarming an area, or triggering an output from dynamic widgets.

4   Dynamic graphical maps and dashboards
Better visualize and manage your security environment by dynamically navigating through facilities. Arm and disarm areas, lock and unlock doors directly through the map.

Synergis IX hybrid controllers and interface modules

With a broad range of supported hardware at your disposal, the Synergis IX system lets you control and monitor a scalable number of intrusion areas, doors, cardholders, and other field devices regardless of geographical location.

Synergis Cloud Link
PN: SY-CLOUDLINK

- IP-ready and PoE-enabled intelligent appliance
- Manages up to 16 Synergis IX hybrid controllers
- Up to 256 locks or readers
- Up to 250,000 cardholders and 150,000 offline events

Synergis IX networked hybrid controller
PN: SY-SIX-CTRL-DIN*

- Networked hybrid intelligent controller that provides intrusion detection and access control
- Directly manages 2 doors
- Up to 250 downstream RS-485 interface modules
- Expandable to 128 doors (256 readers), 250 inputs and outputs
- Up to 50,000 cardholders** and up to 50,000 offline events
- In-built offsite communications dialer (ContactID, SIA)

Synergis IX networked single door hybrid controller
PN: SY-SIX-CTRL-DIN-1D

- Networked hybrid intelligent controller that provides intrusion detection and access control
- Directly manages 1 door (RS-485 only)
- Up to 250 downstream RS-485 interface modules
- Expandable to 128 doors (256 readers), 250 inputs and outputs
- Up to 50,000 cardholders** and up to 50,000 offline events
- In-built offsite communications dialer (ContactID, SIA)

Synergis IX dual door module
PN: SY-SIX-RDM2-DIN-485

- Directly manages 2 doors (4 readers)
- 2 reader ports configurable for either Wiegand or RS-485
- 8 multi-purpose inputs
- 2 Form C relay outputs
- Managed by Synergis IX controllers

Synergis IX input modules
PN: SY-SIX-ZX16-DIN

- 16 zone inputs

PN: SY-SIX-ISO16-DIN

- 16 opto-isolated inputs for lift control

PN: SY-SIX-ADC4-DIN**

- 4 channel analog inputs
- Managed by Synergis IX controllers

Synergis IX output module
PN: SY-SIX-PX8-DIN

- 8 Form C relay outputs
- Managed by Synergis IX controllers

Synergis IX IO module
PN: SY-SIX-IO84-DIN

- 8 zone inputs
- 4 high current Form C relay outputs
- Managed by Synergis IX controllers

*   Elevator dispatch is not supported at this time but will be in the future.

**   Available with the launch of Softwire 10.11

***   Specific values can not be represented in Security center but can be used off line directly through the Synergis IX interface.

Synergis IX family of readers and keypads

Synergis IX unifies the world of access control and intrusion monitoring with durable readers and keypads capable of arming and disarming zones.

SY-SIX-TSEC-EXTRA   SY-SIX-TSEC-STD   SY-SIX-TSEC-MINI

Synergis IX readers

- Multi card technology provides support for DESFire, MIFARE, and 125kHz cards from a single reader
- Encrypted RS-485 or standard Wiegand connection

- Optional keypad for arming and disarming an area or group of areas based on valid credentials
- IP65 protection for harsh environments with optional vandal resistant covers

- Managed by Synergis IX controller over RS-485 or Wiegand
- Synergis IX controllers are also compatible with any Wiegand readers

PN: SY-SIX-KLCS-B   PN: SY-SIX-KLCS   PN: SY-SIX-KLCD

Synergis IX keypads

- Arm and disarm an area or group of areas
- Monitor the state of an area or status of a door
- Secure login with PIN code operation
- Offers cost-effective expansion with 4 inputs and 1 output
- Managed by Synergis IX controller over RS-485

Supported Synergis IX DIN Rail enclosures

To facilitate Synergis IX hardware deployments, empty DIN Rail enclosures are available offering customers more customization.

Synergis IX[1] DIN Rail enclosures offer a removable door for fast simple mounting and maintenance. Additional space is also provided above and below the DIN module locations for finger trunking or use of the cable tie points for secure and clean wiring.

[1] Synergis IX is Class 5 compliant. Please reference the deployment guide for installation details.

Enclosure dimensions* (Height × Width × Depth)	Enclosure	Comments
400 × 280 × 102 mm	DIN Rail enclosure 1 × 1 PN: SY-SIX-EN-DIN-11	Fits 2 full size DIN Rail modules. Rail Included
400 × 280 × 102 mm	DIN Rail enclosure 1 × 2 PN: SY-SIX-EN-DIN-12	Fits 2 full size and 1 half size DIN Rail modules. Rail Included
400 × 443 × 102 mm	DIN Rail enclosure 2 × 2 PN: SY-SIX-EN-DIN-22	Fits 4 full size DIN Rail modules. Rail Included
550 × 443 × 102 mm	DIN Rail enclosure 2 × 3 PN: SY-SIX-EN-DIN-23	Fits 6 full size DIN Rail modules Rail Included
207 × 615 × 102 mm	DIN Rail enclosure 3 × 1 PN: SY-SIX-EN-DIN-31	Fits 3 full size DIN Rail modules Rail Included
717 × 443 × 102 mm	DIN Rail enclosure 2 × 4 PN: SY-SIX-EN-DIN-24	Fits 8 full size DIN Rail modules Rail Included

Synergis IX features & specifications

The following table presents an overview of Synergis IX capabilities

Key capabilities

Scheduled area control	Stay arming mode	Intrusion panel & Command control
Disarm delay	Multiple areas support	Card and PIN to arm/disarm and lock/unlock
Automatic re-arm	Duress PIN	Unified threat management

Synergis IX hybrid controllers and interface modules						
Model name	**Synergis Cloud Link**	**Synergis IX network controller**	**Synergis IX PoE controller**	**Synergis IX dual door module**	**Synergis IX Input modules**	**Synergis IX output module**	**Synergis IX IO module**

Communication specifications

	Synergis Cloud Link	Synergis IX network controller	Synergis IX PoE controller	Synergis IX dual door module	Synergis IX Input modules	Synergis IX output module	Synergis IX IO module
IP ready	●	●	●	-	-	-	-
PoE-enabled	●	-	●	-	-	-	-
RS-485 communication	●	●	●	●	●	●	●
Built-in offsite communications dialer	-	●	●	-	-	-	-

Synergis IX features & specifications

Continued

	Synergis IX hybrid controllers and interface modules						
Model name	**Synergis Cloud Link**	**Synergis IX network controller**	**Synergis IX PoE controller**	**Synergis IX dual door module**	**Synergis IX Input modules**	**Synergis IX output module**	**Synergis IX IO module**

Downstream module, reader, and lock counts

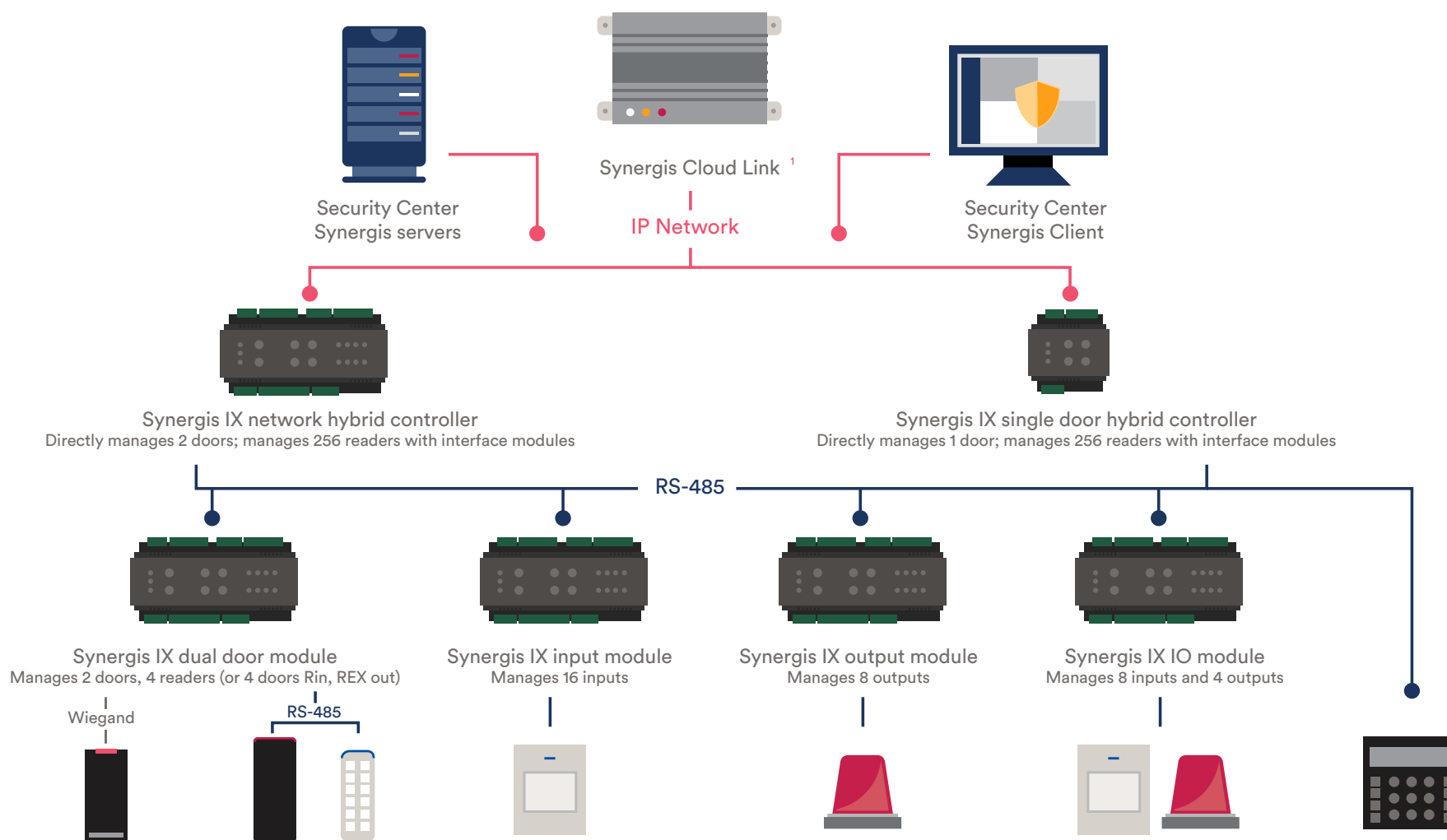|	Synergis Cloud Link	Synergis IX network controller	Synergis IX PoE controller	Synergis IX dual door module	Synergis IX Input modules	Synergis IX output module	Synergis IX IO module
Onboard reader		4	2	4	–	–	–
Max readers (incl. onboard readers)	256	256	256	4	–	–	–
Max inputs[1]	–	250	250	8	16	–	8
Max analog inputs	–	–	–	–	4	–	–
Max outputs	–	250	250	8	–	8	4
Supported downstream devices	• Synergis IX Network and PoE controller • HID V100, V200, V300 • SALTO SALLIS RS-485 router • SALTO SALLIS IP router • ASSA ABLOY Aperio hub • Assa Abloy IP locks • Mercury EP panels • Axis A1001	Synergis IX door modules and Input and Output modules			Synergis IX readers and keypads			
Max downstream modules	• 16 Synergis IX controllers • 32 VertX V100, V200, V300 • 8 ASSA ABLOY Aperio hubs • 8 SALTO SALLIS RS-485 routers • 8 SALLIS IP routers • 32 Mercury EP panels • 32 Axis A1001	250	250	–	–	–	–
Max locks supported	• 64 ASSA ABLOY Aperio locks • 64 SALTO SALLIS locks • 128 ASSA ABLOY IP locks	–	–	–	–	–	–

[1] Total number of inputs includes dedicated inputs (eg. power monitor, tamper or other). Check manufacturer specifications

Synergis IX architecture

Reduce your total cost of ownership by combining your intrusion monitoring and access control with Synergis IX hybrid controllers and interface modules. Synergis Cloud Link buffers access control and intrusion events to Synergis in real-time and replaces the need to deploy off-the-shelf servers at all remote sites, minimizing your hardware footprint.

Security Center
Synergis servers

Synergis Cloud Link [1]

IP Network

Security Center
Synergis Client

Synergis IX network hybrid controller
Directly manages 2 doors; manages 256 readers with interface modules

Synergis IX single door hybrid controller
Directly manages 1 door; manages 256 readers with interface modules

RS-485

Synergis IX dual door module
Manages 2 doors, 4 readers (or 4 doors Rin, REX out)

Wiegand

RS-485

Synergis IX input module
Manages 16 inputs

Synergis IX output module
Manages 8 outputs

Synergis IX IO module
Manages 8 inputs and 4 outputs

[1] To reduce your hardware footprint for smaller installations, the Synergis Cloud Link firmware can be installed on a Genetec Streamvault appliance

Pair Synergis IX with other non-proprietary hardware

Access control and intrusion systems have traditionally relied on proprietary software and hardware, resulting in limited long-term flexibility. Synergis offers a fresh approach to access control and intrusion monitoring, one that gives you the flexibility to choose the hardware that best meets your security needs. Choosing Synergis will guarantee the long-term viability of your access control and intrusion investment.

A powerful ecosystem of technology partners

Genetec™ actively partners with the security industry's leading manufacturers of access control equipment to bring its vision of open and IP-ready access control to life. As the list of integrated hardware grows over time, rest assured that you'll have access to the latest technology that the physical security industry has to offer.

Hardware that fits your everyday access control needs

Choose your controller

In addition to Synergis IX controllers, Synergis supports some of the most popular controllers on the market including the HID EDGE and VertX EVO controllers, the AXIS A1601 controller and the full line of Mercury Security EP and LP panels.

Wireless electronic locks

For hard to reach locations, leverage wireless locks and unify wired and wireless systems with Synergis. Supported lock brands include SALTO SALLIS, and ASSA ABLOY Aperio, Sargent Corbin Russwin, Allegion Schlage and SimonsVoss SmartIntego.

PoE to the door

To speed up deployments and reduce installation costs, deploy Power-over-Ethernet (PoE) enabled devices such as Synergis Cloud Link, Synergis IX PoE controller, HID EDGE EVO, ASSA ABLOY PoE locks, or the Axis A1001 controller.

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