

Synergis Cloud Link

Complete access control

Synergis™ Cloud Link is an intelligent PoE-enabled IoT gateway engineered to provide greater flexibility and security. Designed to address longstanding customer demand for non-proprietary access control solutions, Synergis Cloud Link provides native support of widely deployed, and non-proprietary security modules from intelligent controllers such as Mercury Security, HID Global and Axis communications, electronic locks from ASSA ABLOY, Allegion, SimonVoss, just to name a few.

When modernizing an existing installation, Synergis Cloud Link's open architecture allows you to leverage your current access control infrastructure and upgrade to a secure IP-based solution. Built with secure boot and an embedded EAL 6+ secure module, this IoT gateway provides highly-secure communication over your network using TLS 1.3 and certificates for authentication. The device can support up to 256 readers and electronic locks, as well as monitor hundreds of zones and alarms.



Synergis Cloud Link shown

Key features

IoT gateway

Ease of maintenance

EAL 6+ Secure Element

Encrypted communications with host software

Two (2) Gigabit Ethernet ports (1 port is PoE)

Offline decision-making capabilities

600,000 cardholders and 150,000 offline events

Embedded threat level management

Peer-to-Peer Communication*

Hard, soft and global antipassback

First-Person-In and Two-Person Rules

Visitor Escort

Four embedded RS-485 ports

OSDP Secure Channel Supported

Synergis software

Synergis Cloud Link connects seamlessly to Synergis, the IP access control system from Genetec that provides real-time monitoring of events and alarms, advanced cardholder and visitor management, and comprehensive reporting. Key Synergis features include:

Cybersecure from end to end. Advanced encryption and claims-based authentication provide secure communications to protect cardholders' identities and the system's integrity.

Peer-to-Peer Communication enables innovative global antipassback and global IO linking across appliances while remaining independent of the ACS server*.

Unification with other core Genetec security modules ensures a holistic view of your security environment.

Threat Level Management that greatly simplifies your response to potential threats; operators have the power to quickly restrict access to specific areas based on the threat level.

* Available with Security Center 5.11

A cloud-ready gateway

As technology evolves and cloud adoption in the security industry accelerates, both on-premises and cloud-enabled access control will converge. Your current access control hardware may not be cloud-ready, but Synergis Cloud Link is.

The IoT gateway links your existing on-premises hardware like controllers, modules, and electronic locks to the cloud, reliably and securely.

Supported hardware

Choose from a growing ecosystem of hardware solutions:



Benefits

Cloud-ready

With authenticated communications between your hardware and the cloud, Synergis Cloud Link provides a safe way to a truly open architecture.

Cost-efficient

Save time and money by reducing the need for off-the-shelf servers and all the costs and resources needed to maintain them.

Reliable

Intelligence to the edge even during network or server outage. This ensures that your people and assets are always safe.

Scalable

With up to 256 locks and readers per Synergis Cloud Link, you can scale your system as needed. Deploy additional units to further expand your system.

Hardware specifications

Processor	Quad core, 64-bit CPU	Warranty	24 months
System memory	4 GB RAM 16 GB flash storage	Certifications	CE approval, RoHS compliant, FCC Class A, UL294*
Communications	Two (2) 10/100/1000 Mbps Gigabit Ethernet ports Four embedded RS-485 ports Secure element: EAL6+	Downstream device support	32 HID VertX downstream modules over RS-485 (across four ports) 32 Mercury Security LP panels (up to 256 readers) 30 AXIS A1601 network door controllers 128 ASSA ABLOY IP locks (PoE or WiFi) 64 ASSA ABLOY Aperio-enabled wireless locks (both RS-485 and IP hubs are supported) 200 Allegion Schlage NDE, LE and Control locks ¹ 256 Allegion Schlage AD-Series, NDE and LE locks ² 256 SimonsVoss SmartIntego locks
Electrical	9-16VDC or PoE (IEEE 802.3af or 802.3at type 1) on one (1) Ethernet port		
Mechanical	Appliance dimensions (L x W x H): 7.24 x 4.48 x 1.39 inches (18.4 x 11.4 x 3.5 cm) Appliance weight: 1 lb 1 oz (475 g)		
Environment	Temperature: 32°F to 122°F (0°C to 50°C) operational Relative humidity: Operating 5% to 95%, non-condensing For indoor use only		

* Available July 2022

¹ Via Synergis Cloud Link

² Via a Mercury LP or EP intelligent controller