Synergis Cloud Link

Complete access control

Synergis™ Cloud Link is an intelligent PoE-enabled IoT gateway engineered to deliver greater flexibility and security for on-premises, hybrid, and cloud deployments. It is designed to provide non-proprietary access control solutions. Synergis Cloud Link offers built-in support for a wide range of non-proprietary security devices, such as intelligent controllers from Mercury Security and HID Global, as well as electronic locks from ASSA ABLOY, Allegion, and SimonsVoss, among others.

Synergis Cloud Link, part of the Genetec Cloudlink™ appliance family, gives you the option to maintain your current access control infrastructure. That means you can upgrade an existing installation to a secure IP-based solution. Built with a secure boot and an embedded EAL 6+ secure element, 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 and monitor hundreds of zones and alarms.



Synergis Cloud Link with expansion module version shown

Key features

- IoT gateway
- Ease of maintenance
- EAL 6+ secure element
- Encrypted communications with host software
- Two (2) Gigabit ethernet ports (one port is PoE)
- Offline decision-making capabilities
- 600,000 cardholders and 5,000,000 offline events
- Embedded Threat Level Management
- Peer-to-peer communication* hard, soft, and global anti-passback, first-person-in and two-person rules visitor escort
- Four embedded RS-485 ports, also available with 12 ports
- OSDP (Secure Channel) supported
- Support OSDP and SSCPv2 readers in transparent mode

Synergis software

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

End-to-end cybersecurity – Advanced encryption and claims-based authentication provide secure communications to protect cardholders' identities and the integrity of the system

Peer-to-peer communication – Enables global anti-passback and global I/O linking across appliances while remaining independent of the access control system server*

Unification with other security modules – Ensures a holistic view of your security environment

Threat Level Management – 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

Natively cloud-ready, Synergis Cloud Link provides a secure, scalable, and flexible way to fully run your access control system in the cloud with Security Center SaaS. It ensures authenticated communication between hardware and the cloud, extending your physical security to the edge.

Synergis Cloud Link offers enhanced flexibility and security across all deployment types, whether on-premises, hybrid, or in the cloud. This smart 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 at the edge even during network or server outages. 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 expand your system further.

Hardware specifications

Processor	Quad-core, 64-bit CPU
System Memory	4 GB RAM
	16 GB flash storage
Interfaces	Two (2) 10/100/1000 Mbps Gigabit Ethernet ports
	Four on-board inputs (supervised or unsupervised)
	Four embedded RS-485 ports (version-312 with 12 ports available)
	Secure element: EAL6+
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 × 4.48 × 1.39 inches (18.4 × 11.4 × 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
Warranty	24 months
Certification	CE, UK, FCC, KC, ACMA, BIS, UL294 (listed subassembly), RoHS, REACH, WEEE
Secure Crypto Chip	Version -312 includes 3 slots for Secure Access Module (SAM)
Downstream device support	32 Mercury Security MP or LP panels (up to 256 readers)
	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
	Up to 16 I/O panels per RS-485 port

1- Via Synergis Cloud Link
2- Via a Mercury intelligent controller

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