

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

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

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 antipassback, two-person rule and visitor escort

Four embedded RS-485 ports, also available with 12 ports

OSDP (Secure Channel) supported

Support OSDP and SSCPv2 readers in transparent mode

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.

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.

Supported hardware

Choose from a growing ecosystem of hardware solutions:



ALLEGION



aperio



Corbin Russwin
ASSA ABLOY



HID



Mercury



phg
Die richtige Verbindung



SARGENT
ASSA ABLOY



SimonsVoss
technologies



STid
Electronic Identification

Hardware specifications

Processor	Quad-core, 64-bit CPU	Environment	Temperature: 32°F to 122°F (0°C to 50°C) operational
System Memory	4 GB RAM 16 GB flash storage	Warranty	Relative humidity: Operating 5% to 95%, non-condensing
	Two (2) 10/100/1000 Mbps Gigabit Ethernet ports		For indoor use only
Interfaces	Four on-board inputs (supervised or unsupervised) Four embedded RS-485 ports (version-312 with 12 ports available)	Certification	24 months
	Secure element: EAL6+	Secure Crypto Chip	CE, UK, FCC, KC, ACMA, BIS, UL294 (listed subassembly), RoHS, REACH, WEEE
Power	PoE Input (LAN1): IEEE 802.3af or 802.3at Type 1 (Class 2 6.49W)	Downstream device support	Version -312 includes 3 slots for Secure Access Module (SAM)
	DC power input: 12 V dc nominal, 9 - 16 V dc range, average 300 mA, max. 600 mA (average 450 mA, max. 900 mA for version-312)		32 Mercury Security MP or LP panels (up to 256 readers)
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)		128 ASSA ABLOY IP locks (PoE or WiFi)
	Appliance weight: 1 lb 1 oz (475 g), 1 lb 3 oz (540 g) for version-312		64 ASSA ABLOY Aperio-enabled wireless locks (both RS-485 and IP hubs are supported)

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1- Via Synergis Cloud Link

2- Via a Mercury intelligent controller