

Synergis Cloud Link

Complete access control

Synergis™ Cloud Link is an intelligent PoE-enabled appliance 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 HID Global, LP and EP intelligent controllers from Mercury Security, electronic locks from ASSA ABLOY, Allegion, SimonsVoss and SALTO, and the AXIS A1601 door controller.

When modernizing an existing installation, Synergis Cloud Link's open architecture allows you to leverage your current access control infrastructure and upgrade to an IP-based solution. Equipped with native IP and PoE capabilities and encrypted to provide highly-secure communication over your network, the appliance can support up to 256 readers and electronic locks, as well as monitor hundreds of zones and alarm points.



Synergis Cloud Link with optional expansion module shown.

Key features

Power over Ethernet (PoE) enabled

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

Complete offline decision-making capabilities

Embedded threat level management

Hard, soft and global antipassback

Peer-to-Peer Communication

First-Person-In and Two-Person Rules

Visitor Escort

Duress PIN

250,000 cardholders and 150,000 offline events

Four embedded RS-485 ports,
expandable to 12 ports

Dynamic (DHCP) or static IP addressing

Encrypted communications with host software

OSDP Secure Channel Supported

Secure web interface for basic configuration

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:

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

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

Unification with the Genetec™ Omnicast™ video management solution ensures all access control events, alarms and reports are automatically linked with recorded and live video.

Centralized Cardholder Management and Active Directory Integration are two options to centrally manage and synchronize cardholders and access rights within local sites and with remote locations.

A cloud-ready appliance

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 appliance 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

Choose your hardware—
With Synergis Cloud Link, you can deploy non-proprietary hardware, from interface modules to electronic locks, and know your security investment will be protected for years to come.

Leverage your network infrastructure—
Synergis Cloud Link allows you to leverage your existing corporate or security network to transition into a fully IP-based access control system.

Monitor in real time and enhance reliability—
Unlike traditional door controllers, Synergis Cloud Link's communication with the Synergis software happens in real-time and is eventdriven, ensuring security events are sent to the host when they happen.

Speed up your deployment—
Through a native web server running on Synergis Cloud Link, you can configure appliance settings even before installing any software.

Hardware specifications

Processor	Onboard Intel Atom E3825 1.33GHz dual-core CPU
System memory	2GB of DDR3 DRAM 16GB on-board SATA Flash (SSD) for OS, firmware and database
Communications	Two (2) 10/100/1000 Mbps Gigabit Ethernet ports Four embedded RS-485 ports (expandable to 12 ports with expansion module)
Electrical	9-16VDC or PoE+ (IEEE 802.3at) on one (1) Ethernet port
Mechanical	Appliance dimensions (L x W): 6.89 x 4.22 inches (17.5 x 10.7 cm)
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, or within a NEMA Type 4 enclosure

Warranty	24 months
Certifications	UL 294 and ULC S319, CE approval, RoHS compliant, FCC Class A, EN60839-11-1, CSPN level 4 from ANSSI
Secure Crypto Chip	3 slots for Secure Access Module (SAM) with expansion module
Downstream device support	32 HID VertX downstream modules over RS-485 (across four ports) 32 Mercury Security LP and EP panels (up to 256 readers) 32 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) 64 SALTO SALLIS wireless locks 256 Allegion Schlage AD-Series, NDE and LE locks 256 SimonsVoss SmartIntego locks