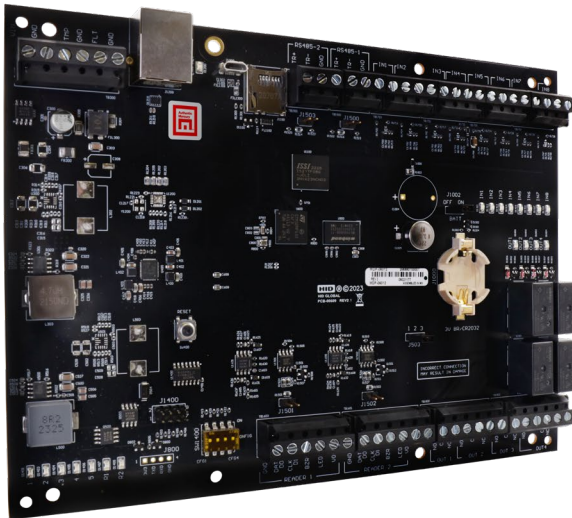


HID Mercury Security MP4502

Intelligent Controller (4 readers, 8 inputs, 4 outputs)

Seamlessly integrated with Security Center Synergis

Synergis™ supports HID Mercury Security's open-field hardware enabling you to deploy industry-standard access control modules and protect your investments for years to come. The MP4502 controller has direct hardware support for two doors and can scale up to 64 readers. It comes with two RS-485 communication ports. Bearing the same footprint and interface as the LP/EP series, the MP4502 ensures business continuity while delivering enhanced cybersecurity measures. Supporting a range of wired and wireless reader technology, the MP4502 is managed by the Synergis™ Cloud Link gateway appliance.



HID Mercury Security MP4502 Intelligent controller

Synergis Cloud Link

The Synergis Cloud Link appliance is an intelligent and PoE-enabled IoT gateway that supports a mix of non-proprietary access control modules like the HID Mercury MP4502 intelligent controller.



Overview

Enhanced security through ARM TrustZone, secure boot CPU, crypto chip, firmware validation, and data at rest encryption

Advanced processing capabilities allow custom applications to run in the controller, greatly enhancing the platform's edge processing

Reports all activity in real-time to Synergis Cloud Link

Manages up to 2 doors natively, expandable to 64 doors

Up to 600,000 offline cardholders and 50,000 offline events

Manages 8 general-purpose input monitor points and 4 control relays

Reports supervised inputs

UL 294 recognized components

OSDP v1 and v2 with secure channel supported

Connects to the Synergis Cloud Link over IP

Available interfaces

Readers:

2 reader ports, up to 2 readers (entry and exit) each when connected to OSDP readers

Inputs:

8 unsupervised/supervised general purpose (programmable circuit type), 2 for cabinet tamper and UPS fault monitor

Outputs:

4 relays: Form C, NO 5 Amp 30 Vdc, NC 3 Amp 30 Vdc

Supports up to 2 RS-485 IO protocols

Supports up to 32 RS-485 expansion modules

Hardware specifications

Dimensions	8.0 in × 6.0 in × 1.0 in (203 mm × 152 mm × 25 mm)	Weight	10.65 oz. (302 g) nominal, board only
Temperature	0°C to +70°C operational, -55°C to +85°C storage	Communication ports	Ethernet: 10Base T/100Base-TX
Primary power	12-24 Vdc ± 10 %, 550 mA maximum (reader ports not included)	Certifications	UL294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65, NIST Certified Encryption (in process)
Reader power	12-24 Vdc ± 10 %, 300 mA maximum for each reader (to be added to primary power current)	Warranty	24-month warranty. Please refer to Genetec Sales Policy for more information

Architecture Overview

Connected to the Synergis Cloud Link appliance over IP, the HID Mercury Security MP4502 intelligent controller processes real-time commands and reports all activities upstream.

