ALLEGION

SCHLAGE

Wiegand security solution

with AD-300/301 hardwired,
AD-400/401 wireless devices and
Cisco Physical Access Control

CISCO

Overview

Schlage AD Series locks seamlessly integrate with Cisco Physical Access Control to provide a cost effective and scalable access control solution to meet your security needs.

Cisco Physical Access Control is a comprehensive solution that provides Electronic Access Control (EAC) using the IP network. The solution consists of hardware and software products and is modular, scalable, and easy to install. It allows any number of doors to be managed using the IP network.

Schlage AD Series locks combine the components typically found around the door, such as the door position switch and the request to exit switch, into one unit which simplifies installation and saves money. And since they are designed to be modular, Schlage AD Series locks can easily be upgraded in the future to meet your changing security and technology requirements.

The AD Series is available in both hardwired and wireless configurations to suit the requirements of the facility. AD Series wireless locks provide many of the key benefits of a hardwired system including real-time monitoring, audit trails, centralized lockdown and instant access control management. In retrofit applications the Schlage AD Series wireless locks and devices, which eliminate the need to run wires direct to each opening, can help you extend the reach of your access control system.
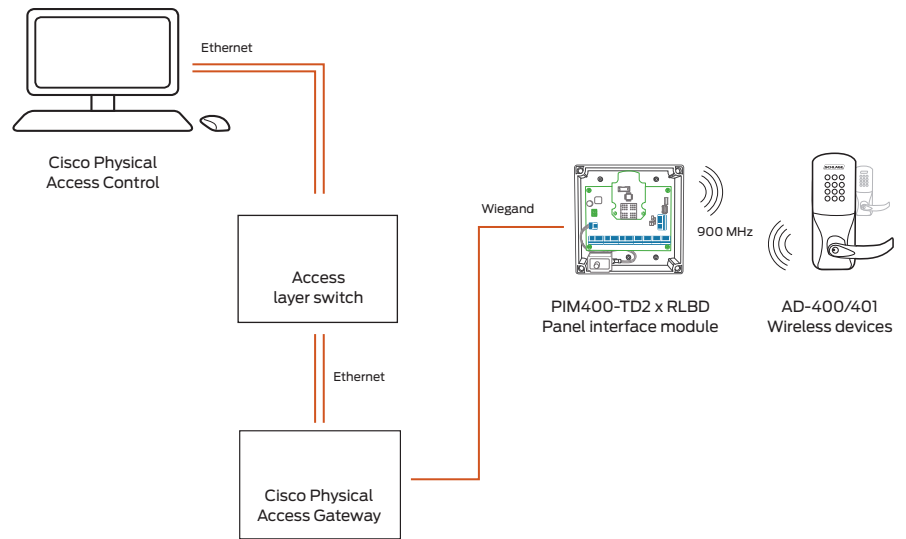
AD-301 and AD-401 FIPS 201-1 compliant solution available using FMK reader. Existing AD-300 and AD-400 locks can be upgraded to FIPS Compliant solutions by replacing existing reader with new FMK reader. Please contact Cisco to confirm they will be able to support your FIPS 201 credential format.

System Capabilities
Summary

- AD-300 hardwired:
  - Field configurable fail safe/fail secure
  - Communicates to the controller via PIB300-2D (Wiegand or Clock & Data); supporting up to 2 per PIB300

- AD-400 wireless:
  - Communicates to the controller via PIM400-TD2 (Wiegand or Clock & Data); supporting up to 2 per PIM400
  - Secure 900 MHz wireless communication, AES-128 bit encrypted
  - Real time access control and monitoring
  - Powered by four (4) standard off-the-shelf AA batteries
  - Patent pending wireless lockdown/unlock feature via PIM400-TD2 (10 seconds or less) preserves up to 2 year battery life

- Additional details on readers supported and chassis types available on page 3 and 4

- Weather resistant, exterior operating temperature: -31º to 151ºF (-35º to 66ºC)

- Additional wireless products also available
  - Wireless Portable Reader (WPR400) for muster stations, buses, etc.
  - Wireless Reader Interface (WRI400) eliminates running wires to remote, gate, and elevator applications

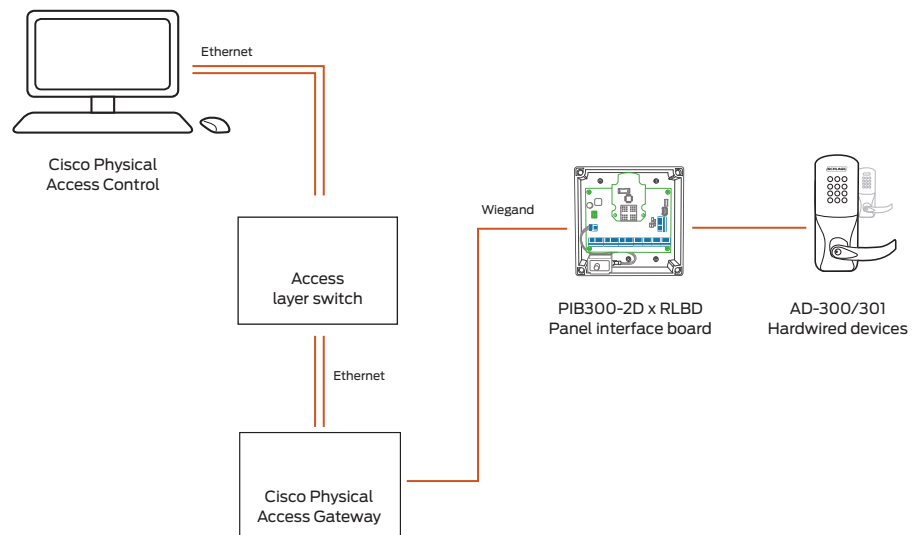- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

AD-400/401 via PIM400-TD2 with Cisco Physical Access Control and Cisco Physical Access Manager

- Cisco Physical Access Control is integrated with Cisco Video Surveillance Manager and runs on a 1-RU Physical Security Multiservices Platform

- The Cisco Physical Access Manager is used to configure, monitor, and control the Cisco Physical Access Gateways and modules. CPAM can also run virtually as a Virtual Machine on the Cisco UCS System.

- The Cisco Physical Access Gateway is a required hardware component of a physical access control solution that connects door hardware to the network.

- Supports up to 2 readers

- Wireless range up to 200' in typical building construction, 1000' clear line of sight

Cisco Physical Access Control

Ethernet

Access layer switch

Ethernet

Cisco Physical Access Gateway

Wiegand

PIM400-TD2 x RLBD Panel interface module

900 MHz

AD-400/401 Wireless devices

AD-300/301 via PIB300-2D with Cisco Physical Access Control and Cisco Physical Access Manager

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Cisco Physical Access Control

Ethernet

Access layer switch

Ethernet

Cisco Physical Access Gateway

Wiegand

PIB300-2D x RLBD Panel interface board

AD-300/301 Hardwired devices

Note:

Please refer to AD-300, AD-301, AD-400, AD-401, PIM400-TD2, PIB300-2D, and RLBD data sheets for complete AD Series specifications.

For additional information contact Cisco: 1.800.553.NETS (6387) or http://www.cisco.com/web/siteassets/contacts/index.html

System capabilities:

	AD-400/401 PIM400-TD2[3]	AD-300/301 PIB300-2D[3]
Features		
Maximum Number of readers supported by controller/PIM	2	2
Maximum Number of readers per PIM400/PIB300	2	2
Maximum Number of PIM400s and/or AD-300s per Wiegand port	1	1
Access control decision made by host software or by lock database	Host	Host
Remote Linking capability via Host	No	N/A
Readers - see supported card formats below		
Keypad only	Yes	Yes
Magnetic stripe card	Yes	Yes
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes	Yes
PIV & PIV-I card compatible[1]	Yes[1]	Yes[1]
Card + PIN	Yes	Yes
Status monitors		
Request to exit	Yes	Yes
Door position	Yes	Yes
Mechanical key override	No	No
Request to enter	No	No
Low battery status	Yes	N/A
Communication status: RF	Yes	Yes
Remote lockdown/unlock	Yes (<10 secs)[2]	Yes
Deadbolt position	No	No
Interior push button	No	No
Lock functions		
Classroom/storeroom	Yes	Yes

Please contact Cisco for additional details on integrated features and credentials supported.

Supported card formats

Proximity cards (125 kHz):
- AWID®
- GE/CASI®
- HID®
- Schlage®
- XceedID®

Smart cards (13.56 MHz):
- aptiQ™ MIFARE Classic
- PIV and PIV-I compatible[1]

Smart cards (13.56 MHz) - reads card serial number only:
- HID iCLASS®
- DESFire®
- MIFARE®
- MIFARE DESFire™ EV1

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1   FIPS 201 Compliant Option available: The AD-series can be used in applications which require approval by the US fereal government under HSPD-12 for FIPS 201 compliance. 75 bit output format default. Configurable to other output formats. Specific components are required, please see the AD-401 an dAD-301 data sheets for complete details. Contact Cisco to confirm they are able to support your FIPS 201 credential format.

2   Wake up on Radio over PIM400-TD2 on up to 2 doors requires configuration at PIM via HHD.

3   Requires RLBD dry contact board for supervised contacts.

Available AD Series reader modules

Multi-technology
- Proximity
- Smart card
- KEYPAD

FIPS 201-1 compliant option available (FMK)

Multi-technology
- Proximity
- Smart card

Magnetic stripe (insertion)
- KEYPAD

Magnetic stripe (insertion)

Magnetic stripe (swipe)
- KEYPAD

Magnetic stripe (swipe)

Keypad

Handheld device (HHD)

Used to initialize, configure, and test AD Series Devices

Compatibility

AD Series electronic locks from Schlage are built from the ground up to provide more options, more functionality and more compatibility than any other solution on the market today. Designed to suite with the most popular lever styles and finishes, Schlage AD Series locks can be configured to accept most major key systems. See lever and cylinder compatibility data sheet (010432).

Mortise Lock (AD-300/400-MS)

Cylindrical Lock (AD-300/400-CY)

Exit Device Trim (AD-300/400-993)

The AD Series exit trims are exclusively compatible with exit devices made by Allegion when using the low current request to exit switch (RX-LC part # 050281 for Von Duprin 98/99 & Von Duprin 22/22F Rim/SVR devices and part number 650359 for Falcon 25 Rim devices).

Lever styles

Standard cylinders shown, SFIC and FSIC also available.

Sparta

Rhodes

Athens

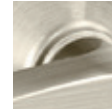Tubular

Finishes

Warm tone finishes

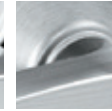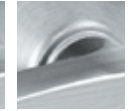| 605 Bright brass | 606 Satin brass | 612 Satin bronze | 643e Aged bronze |

Cool tone finishes

| 619 Satin nickel | 625 Bright chrome | 626 Satin chrome | 626AM Satin chrome with antimicrobial |

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About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit **www.allegion.com.**

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