



# Open architecture solution

OEM Software with AD Series  
wireless and hardwired locks



## Overview

The AD Series electronic locking platform is designed to be open and flexible. With its open architecture, the AD Series can be seamlessly integrated into most access control systems.

Schlage AD Series electronic locks combine all of the components typically found around the door; such as the reader, door position switch and the request-to-exit switch into one device; which simplifies installation and saves money.

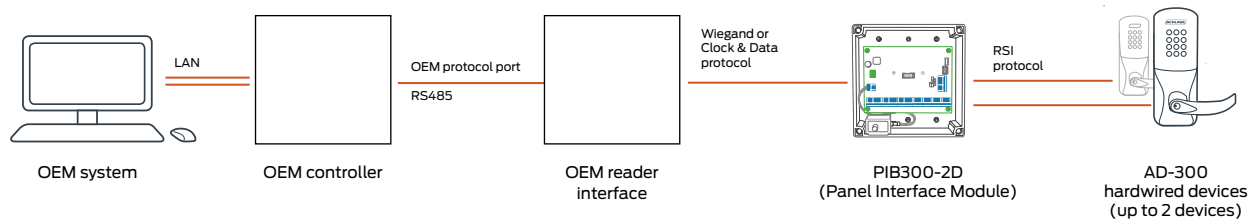
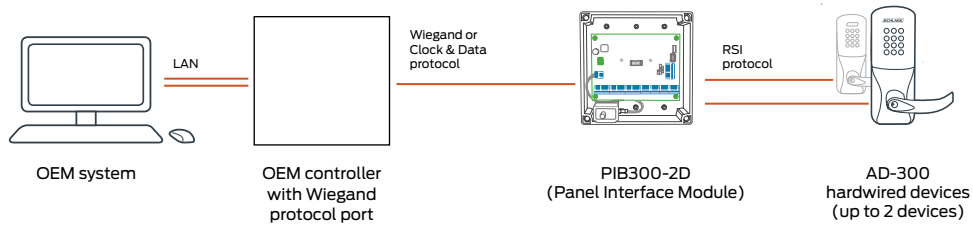
Schlage AD Series electronic locks are available in hardwired and wireless configurations. The AD-300 locks are hardwired and provide the benefits of a traditional access control solution. The AD-400 locks are wireless and provide many of the key benefits without having to run wires directly to each opening.

The AD Series can be customized with seven (7) different credential reader options including keypad, magnetic stripe, and multi-technology which reads both proximity and smart cards. All card readers are available with keypad for multi-factor authentication, support is dependent on access control software. Designed to be modular, readers can easily be upgraded in the future to meet your changing credential needs.

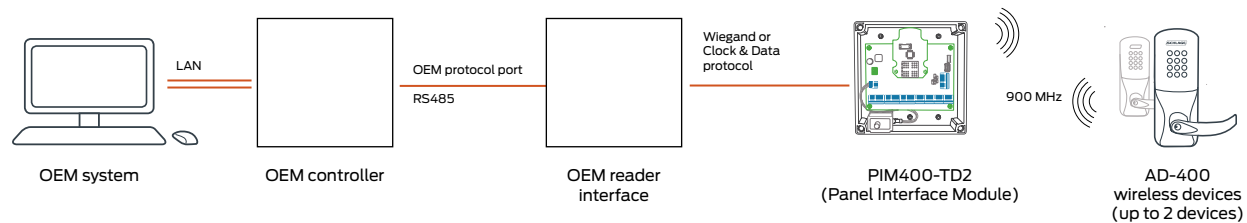
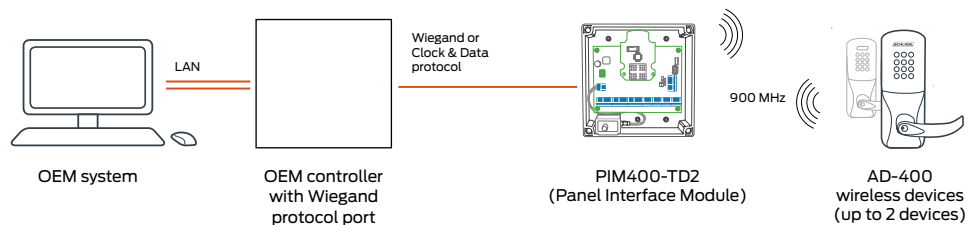
## System capabilities Summary

- System capabilities:
  - As determined by OEM software provider
- AD-400 wireless applications:
  - Communicates to the controller via PIM400-TD2 (Wiegand or Clock & Data); each supports up to 2 devices
  - 900 MHz communication between AD-400 and PIM400 for secure, AES-128 bit encrypted transmission
  - Patent-pending wireless lockdown feature (10 seconds or less) preserves up to 2 year battery life
- AD-300 hardwired applications:
  - Communicates to the controller via PIB300-2D (Wiegand or Clock & Data); each supports up to 2 devices
- AD Series available with seven reader options and three chassis options shown on page 4
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

## AD-300 hardwired Wiegand system



## AD-400 wireless Wiegand system



Note:

Complete specifications and certifications are detailed on individual data sheets which can be found on [www.schlage.com/support](http://www.schlage.com/support).

For additional information contact 1-877-671-7011 or visit [www.allegion.com/us](http://www.allegion.com/us)

## System capabilities:

|  | AD-400<br>PIM400-TD2                                       | AD-300<br>PIB300-2D |
|--|--|---------------------|
| <b>Features:</b>   |  |                     |
| Number of wireless devices per PIM400                    | Up to 2  | N/A                 |
| Number of locks per PIB300                               | N/A  | Up to 2             |
| <b>Other Requirements</b>                                |  |                     |
| RLBD Dry Contact Relay Board <sup>1</sup>                | Consult your access control system provider for capability |                     |
| Reader interface/gateway                                 | Consult your access control system provider for capability |                     |
| <b>Readers (see supported credential formats below):</b> |  |                     |
| Keypad only  | Consult your access control system provider for capability |                     |
| Magnetic stripe card                                     | Consult your access control system provider for capability |                     |
| Multi-tech - 125 kHz prox & 13.56 MHz smart card         | Consult your access control system provider for capability |                     |
| PIV & PIV-I card compatible <sup>2</sup>                 | Consult your access control system provider for capability |                     |
| Card + PIN   | Consult your access control system provider for capability |                     |
| <b>Status monitors <sup>4</sup></b>                      |  |                     |
| Request to exit  | Yes  | Yes                 |
| Door position switch                                     | Yes  | Yes                 |
| Interior cover tamper guard                              | Yes  | Yes                 |
| Lock/unlock status clutch position                       | No   | No                  |
| Mechanical key override (ATK)                            | No   | No                  |
| Request to enter   | Consult system provider                                    |                     |
| Low battery status                                       | Consult system provider                                    | N/A                 |
| Battery voltage level                                    | No   | N/A                 |
| Communication status                                     | Yes  | Yes                 |
| Remote lockdown/unlock (1) single device                 | Yes (<10 secs) <sup>3</sup>                                | Yes                 |
| Remote lockdown/unlock >1 device                         | Yes (<10 secs) <sup>3</sup>                                | Yes                 |
| Deadbolt position  | No   | No                  |
| Interior push button                                     | No   | No                  |
| <b>Lock functions</b>                                    |  |                     |
| Classroom/storeroom                                      | Yes  | Yes                 |

Please contact  
1-877-671-7011  
for additional details  
on 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
- aptiQ™ MIFARE DESFire™ EV1
- PIV and PIV-I compatible<sup>1</sup>

#### Smart cards (13.56 MHz) - reads card serial number only:

- HID ICLASS®
- DESFire®
- MIFARE®
- MIFARE DESFire™ EV1

<sup>1</sup> Requires RLBD Dry Contact Board for supervised inputs and to create dry contact outputs. If supervised inputs are required our optional plugin relay board (RLBD) is required for the PIM400-TD2 and PIB300-2D. Consult with access control provider to determine if dry contacts or RLBD is required.

<sup>2</sup> FIPS 201 Compliant option available: The AD Series can be used in applications which require approval by the U.S. Federal Government under HSPD-12 for FIPS 201 Compliance. Specific components are required, please see the AD-401 data sheet or AD-301 data sheet for complete details. Contact your system provider to confirm they are able to support your FIPS 201 credential format.

<sup>3</sup> Wake-up on Radio over PIM400-TD2 on up to 2 doors requires configuration via SUS.

<sup>4</sup> Chart represents default functionality in AD Series devices.

## 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.

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).

## Cylinder compatibility

| Cylinder compatibility               | Full size key-in-lever 6 pin | Full size key-in-lever 7 pin | FSIC 6 pin     | SFIC 6 and 7 pin |
|--------------------------------------|------------------------------|------------------------------|----------------|------------------|
| Schlage                              | ●                            |                              | ●              | ●                |
| Falcon®                              | ▲                            | ■                            |                | ▲                |
| Sargent® (10L + 11L full size)       | ▲                            |                              | ▲              | ▲                |
| Corbin Russwin®                      |                              |                              | ▲ <sup>1</sup> | ▲                |
| Yale® (includes Medeco 31*0100 FSIC) |                              |                              | ▲              | ▲                |
| Best®                                |                              |                              |                | ▲                |

● = with cylinder or less cylinder options

■ = less cylinder, only with Sparta and Rhodes levers

▲ = less cylinder only

Note: See pricebook for specific configurations.

<sup>1</sup> JDC07 Corbin Russwin 7 pin cylinder is available in Rhodes, Sparta and Tubular

## 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

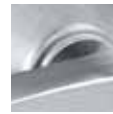
Cool tone finishes



619 Satin nickel



625 Bright chrome



626 Satin chrome



626AM Satin chrome with antimicrobial

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