



Open Architecture Solution

*OEM Software with AD-Series
Wireless and Hardwired Locks*

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 all the benefits of a traditional access control solution. The AD-400 locks are wireless and provide all the same benefits without having to run wires directly to each opening.

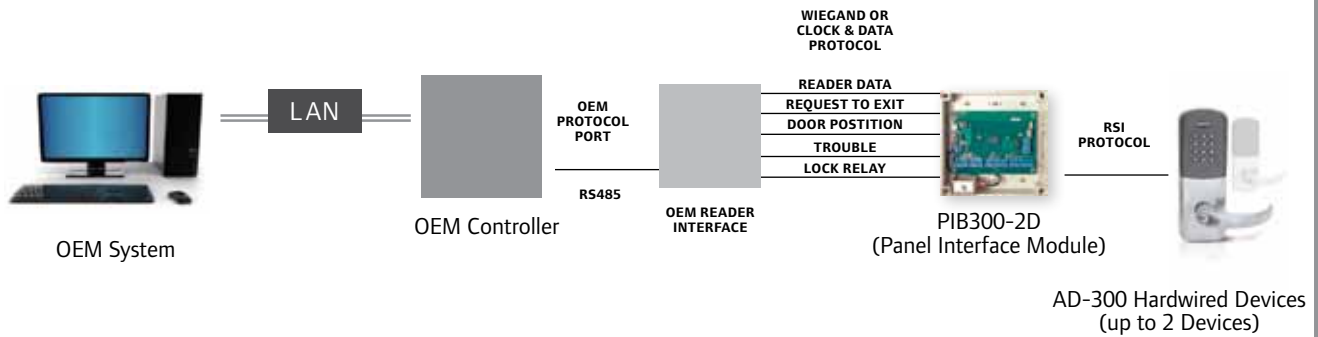
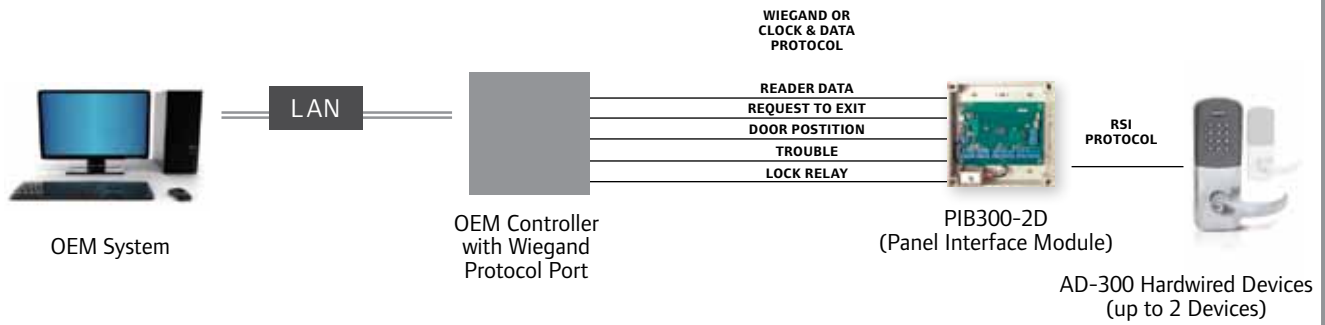
The AD-Series can be customized with eleven (11) different credential reader options including keypad, magnetic stripe, proximity, smart card and multi-technology. All card readers are available with keypad for multi-factor authentication, support is dependent on access control software. Designed to be modular, readers can easily be upgraded in the future to meet your changing credential needs.



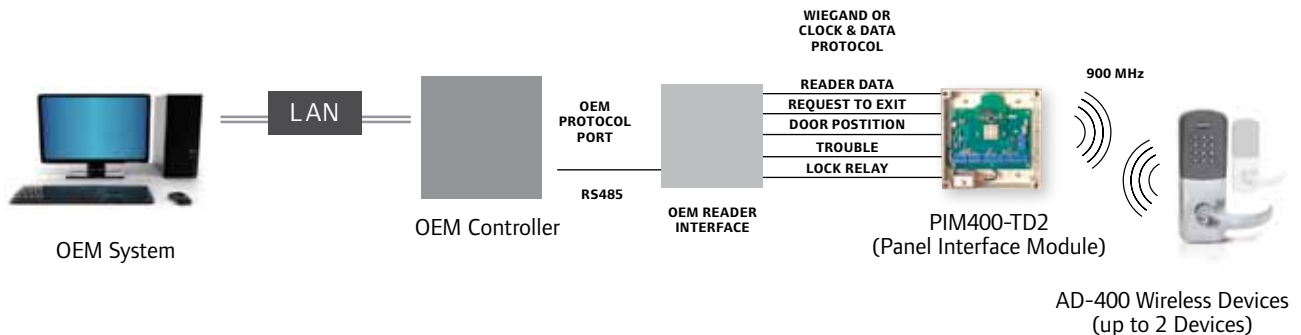
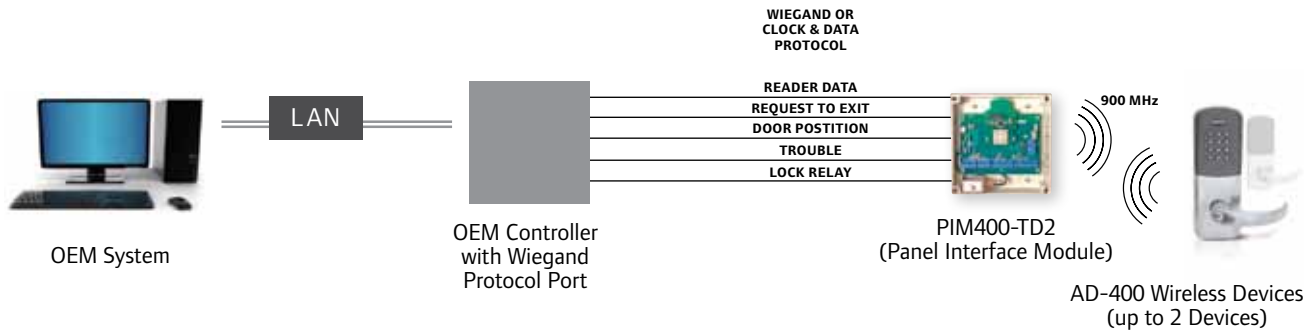
System Capabilities – Summary

- 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 eleven reader options including
 - Keypad
 - Magnetic Stripe
 - Proximity (125 kHz)
 - Smart (13.56 MHz)
 - Multi-Technology (reads both 125 kHz and 13.56 MHz)
 - All card readers available + PIN (if supported by access control software)
- AD-Series chassis options: Cylindrical, Mortise, Exit Trim

AD-300 Hardwired System utilizing Wiegand Protocol Port or RS485 Port



AD-400 Wireless System utilizing Wiegand Protocol Port or RS485 Port



System Capabilities		
	AD400	AD300
	PIM400-TD2	PIB300-2D
Device Capacity at the PIM400:		
Number of Wireless Devices per PIM400	Up to 2	N/A
Number of Locks per PIB300	N/A	Up to 2
Other Requirements		
RLBD** (Dry Contact Board)	Consult your access control system provider for capability	
Reader Interface/Gateway		
Credentials:		
Keypad Only	Consult your access control system provider for capability	
Magnetic Stripe Card		
125 kHz Proximity Card		
13.56 MHz Smart Card		
Multi-Tech - 125 kHz Prox & 13.56 MHz Smart Card		
PIV II (FIPS 201) Card		
Card + PIN		
Status Monitors:***		
Request to Exit	Yes	
Door Position Switch	Yes	
Interior Cover Tamper Guard	Yes	
Lock/Unlock Status Clutch Position	No	
Mechanical Key Override (ATK)	No	
Request to Enter	Consult system provider	
Battery Status (Normal, Low, Critical)	Consult system provider	N/A
Battery Voltage Level	No	N/A
Communication Status	Yes	
Remote Lockdown (from host)	Yes*	Yes
Remote Unlock (from host)	Yes*	Yes
Deadbolt Position	No	
Interior Push Button	No	
Lock Functions		
Classroom/Storeroom	Yes	

Supported Proximity Cards (125 kHz):

- Schlage
- HID® Proximity
- AWID® Proximity
- GE/CASI® ProxLite™

Supported Smart Cards (13.56 MHz):

- MIFARE®
- aptiQ™ smart cards using MIFARE DESFire™ EV1

Supported Smart Cards (13.56 MHz) - Reads Card Serial Number Only:

- MIFARE DESFire®
- MIFARE DESFire™ EV1
- HID iCLASS®

All of the above as supported by OEM Access Control System

Notes:

- * Wake-up on Radio over PIM400-TD2 on up to 2 doors requires configuration via SUS.
- ** Verify if the inputs to your access control panel (Door Position, Request to Exit, Trouble, etc) need to be supervised or unsupervised.
- *** Chart represents default functionality in AD-Series devices

If supervised inputs are required our optional plugin relay board (RLBD) is required for the PIM400-TD2 and PIB300-2D. If unsupervised inputs are allowed then the RLBD is not needed (however, it can still be used if the client requires supervised inputs for the installation).

AD-Series Credential Reader Compatibility:



- Proximity
- Smart Card
- Multi-Technology
- Multi-Technology
- Magnetic Stripe
- Magnetic Stripe
- Magnetic Stripe (Swipe)
- Magnetic Stripe (Swipe)
- Keypad

KEYPAD

KEYPAD

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 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-300 and AD-400 exit trims are exclusively compatible with exit devices made by Ingersoll Rand when using the low current request to exit switch (part number RX-LC for Von Duprin 98/99 devices & part number 650359 for Falcon 24/25 Rim devices).

Configure Your Lock:

We have created a web-based product selector tool that can help you configure your AD-Series lock to meet your needs. To check out the tool, please visit www.schlage.com.



Cylinder Compatibility	Full Size (key-in-lever 6 pin)	Full Size (key-in-lever 7 pin)	FSIC (6 pin)	SFIC (6 & 7 Pin)
Schlage	●		●	●
Falcon®	▲	◆		▲
Sargent® (10L + 11L Full Size)	▲		▲	▲
Corbin Russwin®			▲	▲
Yale® (also includes Medeco 31 *0100 FSIC)			▲	▲
Best®				▲

● = with cylinder or less cylinder options ▲ = less cylinder only
◆ = less cylinder only, only with Sparta and Rhodes levers Note: See pricebook for specific configurations.

Lever styles

Standard cylinders shown, SFIC and FSIC also available.



Sparta



Rhodes



Athens



Tubular

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

Networked Solutions

Complete Your System

At Schlage, we understand that each facility has unique security requirements. Our extensive line of products, flexible options and ability to adapt to your existing environment make it easy to find a solution that will fit your security needs.

Complete your access control system with readers and credentials, biometric hand geometry readers, system components, HHD programming device and other wireless accessories including the TK400 Wireless Portable Signal Test Kit.



HHD



TK400



Readers and Credentials



HandKey II

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