

COMING SOON

All features and capabilities subject to change



Wiegand security solution

With AD-400 wireless and AD-300 hardwired devices and ISONAS Crystal Matrix or Crystal Matrix w/ EasyWeb



Overview

Unlike traditional panel-based or IP-panel systems, ISONAS delivers the one proven access control solution that offers network-based, “Pure IP” to the door technology. That eliminates the need for cumbersome control panels at each and every access point, complex wiring and power supplies that are costly, and regular maintenance across physical locations. With our innovative PowerNet IPBridges, ISONAS provides a simpler and smarter alternative. Our innovative technology enables you to manage multiple locations in real-time through your existing network, lower your total cost of ownership, and experience the flexibility to go places your organization never imagined.

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 wireless configurations to suit the requirements of the facility. AD Series wireless locks provide many of the key benefits of a hardwired system including realtime 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.

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:

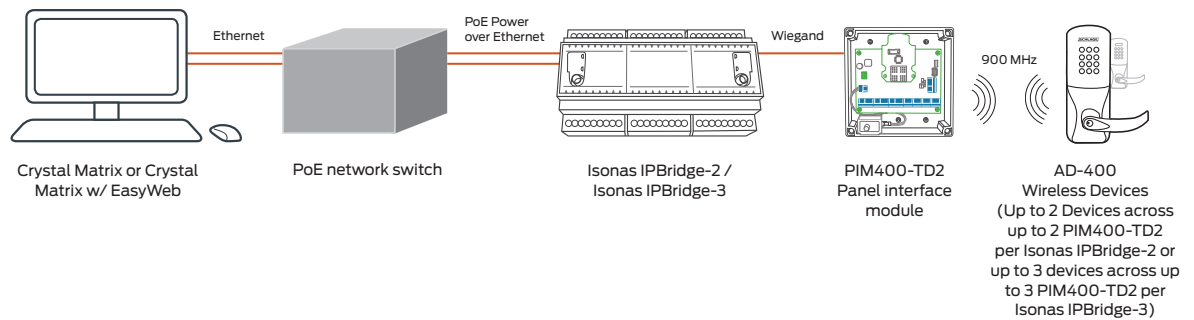
- Secure 900 MHz wireless communication, AES-128 bit encrypted
- Real time access control and monitoring
- Powered by four (4) standard off-the-shelf AA batteries
- Patent pending wireless lockdown /unlock feature via PIM400-TD2 (10 seconds or less) preserves up to 2 year battery life
- Additional details on readers supported and chassis types available on page 3 and 4
- Weather Resistant, Exterior Operating Temperature: -31° to 151°F (-35° to 66°C)
- Additional wireless products also available
 - Wireless Portable Reader (WPR400) for muster stations, buses, etc.
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C

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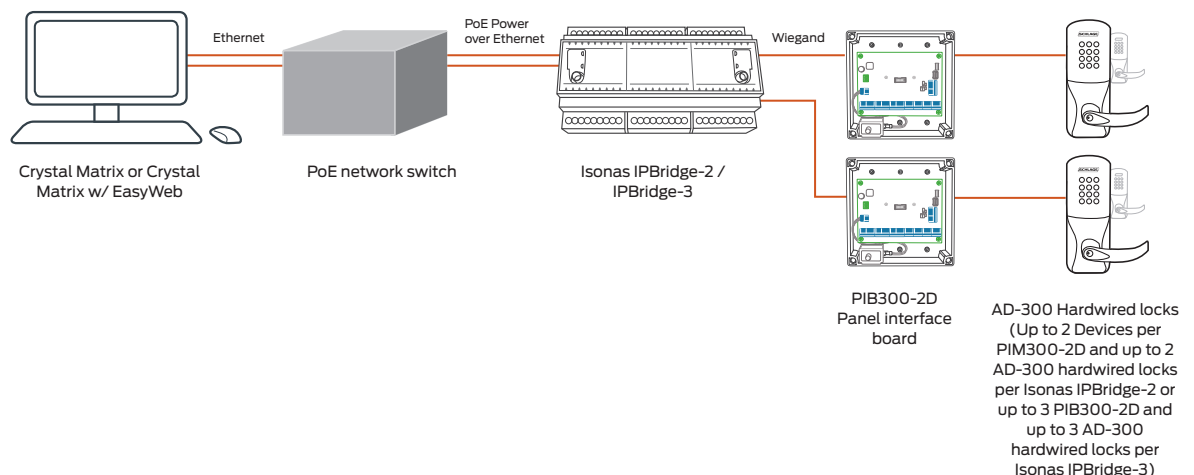
AD-400 via Wiegand IPBridge-2 / IPBridge-3

- Isonas IPBridge-2 supports a maximum of 2 AD-400 wireless locks across up to 2 PIM400-TD2 and a maximum of 2 Wiegand data ports
- Isonas IPBridge-3 supports a maximum of 3 AD-400 wireless locks across up to 3 PIM400-TD2 and a maximum of 3 Wiegand data ports
- PIM400-TD2 can support up to 2 AD-400 wireless locks
- Multiple IPBridges may be connected to support additional AD locks



AD-300 via Wiegand IPBridge-2 / IPBridge-3

- Isonas IPBridge-2 supports a maximum of 2 AD-300 hardwired locks across up to 2 PIB300-2D and a maximum of 2 Wiegand data ports
- Isonas IPBridge-3 supports a maximum of 3 AD-300 hardwired locks across up to 3 PIB300-2D and a maximum of 3 Wiegand data ports
- PIB300-2D can support up to 2 AD-300 hardwired locks
- Multiple IPBridges may be connected to support additional AD locks



Notes:

- Please refer to AD-400, AD-401, PIM400-TD2, RLBD data sheets for complete AD Series specifications.
- Although not specifically shown, both AD-300's and AD-400's can be managed on a common port.

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System capabilities:

	AD-400		AD-300	
Features	IPBridge-2 PIM400-TD2	IPBridge-3 PIM400-TD2	IPBridge-2 PIB300-2D	IPBridge-3 PIB300-2D
Maximum Number of readers supported by controller	2	3	2	3
Maximum Number of readers per PIM400 or PIB300	Up to 2	Up to 2	Up to 2	Up to 2
Maximum Number of PIM400s and/or AD-300s per RS-485/Wiegand Port	Up to 2	Up to 3	Up to 2	Up to 3
Access control decision made by Host software or by lock database	Host	Host	Host	Host
Remote linking capability via host	No	No	No	No
Readers - see supported card formats below				
Keypad only	Yes up to 9 digits	Yes up to 9 digits	Yes up to 9 digits	Yes up to 9 digits
Magnetic stripe card	No	No	No	No
Multi-technology - 125 kHz proximity and 13.56 MHz smart card	Yes	Yes	Yes	Yes
PIV & PIV-I card compatible ¹	Yes	Yes	Yes	Yes
Card + PIN	No	No	No	No
Status monitors				
Request to exit	Yes	Yes	Yes	Yes
Door position switch	Yes	Yes	Yes	Yes
Mechanical key override	No	No	No	No
Request to enter	Yes	Yes	Yes	Yes
Low battery status	Yes	Yes	No	No
Communication status	No	No	No	No
Remote lockdown/unlock	Yes (<10 sec) ¹	Yes (<10 sec) ¹	Yes (<10 sec)	Yes (<10 sec)
Deadbolt position	No	No	No	No
Interior push button	No	No	No	No
Lock functions				
Classroom/storeroom	Yes	Yes	Yes	Yes

Please contact Isonas for additional details on Wiegand features and credentials supported.

Supported card formats

Proximity cards (125 kHz):

- AWID®
- HID®
- Schlage®
- XceedID®

Smart cards (13.56 MHz):

- aptiQ™ MIFARE Classic
- aptiQ™ MIFARE DESFire™ EV1
- PIV and PIV-I compatible¹

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

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

¹ Wake-up on Radio over PIM400-TD2 on up to 2 doors requires configuration at PIM via HHD.

Available AD Series reader modules



Multi-technology

- Proximity
- Smart card

KEYPAD

FIPS 201-1 compliant
option available (FMK)



Multi-technology

- Proximity
- Smart card



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



619
Satin nickel



625
Bright chrome



626
Satin chrome



626AM
Satin chrome with antimicrobial

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

aptiQ ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN



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