



Technologies

Integrated Access Control Solution

with AD-300 Hardwired and AD-400 Wireless Devices and RS2 Access It!® Universal



Schlage AD-Series electronic locks seamlessly integrate with **RS2 Access It!® Universal** to provide a cost effective and scalable access control solution to meet your security needs.

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.



System Capabilities – Summary

- AD-400 Wireless Applications:
 - Secure 900MHz wireless communication, AES-128 encrypted
 - IP addressable PoE PIM400-1501 supports up to 16 AD-400 devices.
 - Real time access control and monitoring
 - Patent-Pending Wireless Lockdown/Unlock feature (10 seconds or less) preserves 2 year battery life (4AA Batteries)
- AD-300 Hardwired Applications:
 - Field configurable fail safe/fail secure
- AD-Series available with seven reader options including keypad, magnetic stripe, and Multi-Technology (reads 125 kHz proximity and 13.56 MHz smart)
 - All card readers available + PIN
- AD-Series available chassis options:
 - Cylindrical, Mortise, Exit Trim
- Weather Resistant, Exterior Operating Temperature: -31° to 151° F (-35° to 66° C)
- AD-Series wireless accessories available for remote, gate, elevator, and portable (mustering) applications.
 - AD-Series meets ANSI/BHMA A156.25, ANSI/BHMA Grade 1 requirements and is UL 294 Listed

RS2 Access It!® Universal

AD-400 and EP-2500 Controllers

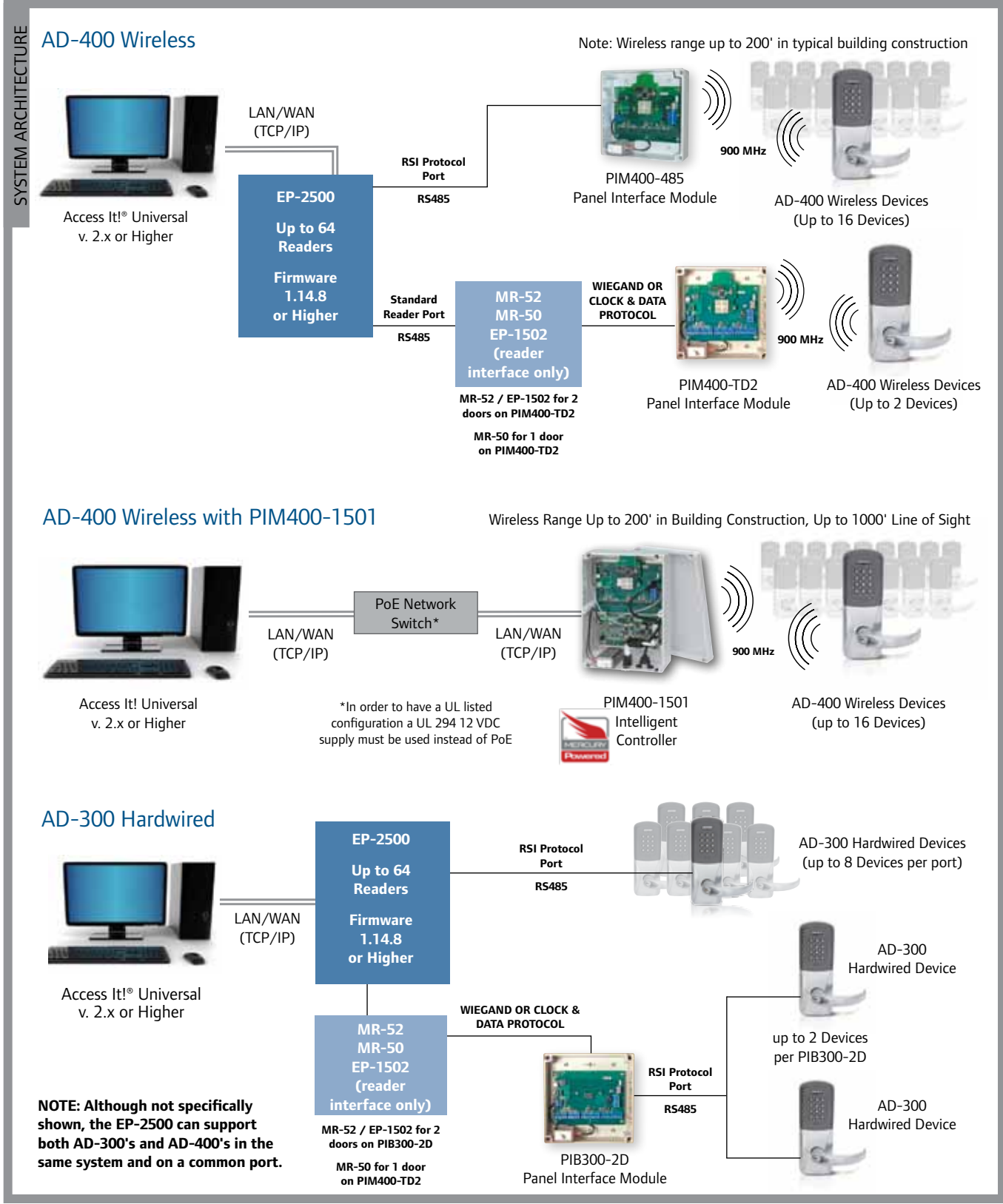
- EP-2500 Controllers support up to 64 readers
- EP-1502 Controllers (PIM400-TD2 Only) support up to 64 wireless devices
- EP-1501 Controllers (PIM400-TD2 Only) support up to 17 wireless devices
- Each connected PIM400-485 can support up to 16 wireless devices
- Each connected PIM400-TD2 can support up to 2 wireless devices

AD-300 and EP-2500 Controllers

- EP-2500 Controllers support up to 16 AD-300s
- EP-1502 Controllers (PIB300-2D Only) supports up to 64 AD-300s
- Each connected PIB300-2D can support up to 2 AD-300s

AD-400 and PIM400-1501 Intelligent Controller

- Each PIM400-1501 can support up to 16 wireless devices



NOTE: Please refer to AD-300/PIB300-2D, AD-400, PIM400-485, PIM400-TD2, and Relay Board RLBD data sheets for complete AD-Series specifications.

System Capabilities	AD-400			AD-300	
	PIM400-485	PIM400-TD2	PIM400-1501	Direct RS485	PIB300-2D
Features					
Maximum Number of readers supported by controller	64		16	16	64
Maximum Number of readers per PIM400 or PIB300	Up to 16	Up to 2	16	N/A	Up to 2
Maximum Number of PIM400s and/or AD-300s per RS-485 Port (2 RS485 ports per EP-2500)	Up to 8	N/A	N/A	8	N/A
Communication from to controller	RS485	Wiegand or Clock & Data	TCP/IP	RS485	Wiegand or Clock & Data
Access control decision made by Host software or by lock database	Host		Host	Host	
Configure and Linking done via HOST or HHD (Handheld Device)	HHD		HHD	HHD	
Other System Requirements					
RLBD Dry Contact Relay Board	N/A	Optional**	N/A	N/A	Optional**
Reader Interface / Gateway	N/A		N/A	N/A	
Reader (see supported credential formats to the right):					
Keypad Only	Yes		Yes		
Magnetic Stripe Card	Yes		Yes		
Multi-Tech - 125 kHz Prox & 13.56 MHz Smart Card	Yes		Yes		
PIV & PIV-I Card Compatible*	Yes†		Yes†		
Card + PIN	Yes		Yes		
Status Monitors					
Request to Exit	Yes		Yes		
Door Position Switch	Yes		Yes		
Interior Cover Tamper Guard	Yes		Yes		
Lock/Unlock Status Clutch Position	No		No		
PIM/PIB Tamper Guard	Yes		Yes		
Mechanical Key Override (ATK)	No		No		
Request to Enter	No		No		
Low Battery Status	Yes		N/A		
Battery Voltage Level	No		N/A		
Communication Status	Yes		Yes		
Remote Lockdown (from host)	Yes (<10 secs)	Yes (<10 secs)***	Yes (<10 secs)	Yes	
Remote Unlock (from host)	Yes (<10 secs)	Yes (<10 secs)***	Yes (<10 secs)	Yes	
Deadbolt Position	No		No		
Interior Push Button	No		No		
Lock Functions					
Classroom/Storeroom	Yes		Yes		

Supported Proximity Cards (125 kHz):

- Schlage
- HID®
- AWID®
- GE/CASI®
- XceedID®

Supported Smart Cards (13.56 MHz):

- MIFARE®
- MIFARE DESFire™ EV1
- PIV & PIV-I Compatible*

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

- HID iClass®
- MIFARE DESFire®

Notes:

* FIPS 201 Compliant Option: The AD-Series can be used in application which require approval by the US Federal Government under HSPD-12 for FIPS 201 Compliance. Specific components are required, please see the AD-301 and AD-401 data sheet for complete details.

† 75 bit format output default. Configurable to other formats

** Requires RLBD dry contact board for supervised inputs.

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

AD-Series Credential Reader Compatibility:



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



- Handheld Device (HHD)
 - Used to initialize, configure, and test AD-Series Devices

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-400/AD-300-MS)



Cylindrical Lock
(AD-400/AD-300-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 (RX-LC part # 050281 for Von Duprin 98/99 & Von Duprin 22/22F Rim/SVR devices & part # 650359 for Falcon 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 & 7 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

For additional information contact RS2 Technologies:
1-877-682-3532 or www.rs2tech.com

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