



Integrated Access Control Solution with AD-400 Wireless and AD-300 Hardwired Locks and WinDSX

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 any WinDSX or WinDSX SQL access control system with the use of DSX-L85 Integrated Lockset Management Software.

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. For new construction, the AD-300 hardwired locks provide all of the benefits of a traditional access control solution. For existing facilities, the AD-400 wireless locks provide real time access control without having to run wires direct to each opening. Both AD-Series Locksets work seamlessly with WinDSX and traditional door controllers and readers.

The AD-Series can be customized with seven (7) different credential reader options including keypad, magnetic stripe, and multi-technology which reads both 125 kHz proximity and 13.56 MHz smart cards. All card readers are available with keypad for multi-factor authentication supporting up to 7 digit PINs. Designed to be modular, readers can easily be upgraded in the future to meet your changing credential needs.



System Capabilities – Summary

- System Capabilities:
 - 1 L85 Deployment per Location, 32,000 Locations
 - Up to 126 Locksets per L85 deployment
 - L85 supports both hardwired and wireless Locksets
 - Communications via TCP/IP, USB, RS-485, RS-232
 - Up to 48 AD-400/AD-300 locking devices per communication line
 - Broad RSI Protocol Feature Set. Unlimited client workstations.
 - No mandatory software maintenance package required.
- AD-400 Wireless Applications:
 - Communicates to the PIM400-485; each PIM400-485 supports up to 16 Locksets
 - 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 L85 Software via RS-485 / TCP/IP
- AD-Series available with seven reader options
 - All card readers available + PIN
- AD-Series available chassis options:
 - Cylindrical, Mortise, Exit Trim
- AD-Series wireless accessories available for remote, gate, elevator, and portable (mustering) applications.
- Weather Resistant, Exterior Operating Temperature: -31° to 151°F (-35° to 66°C)
- AD-Series meets ANSI/BHMA A156.25, ANSI/BHMA Grade 1 requirements and is UL 294 Listed

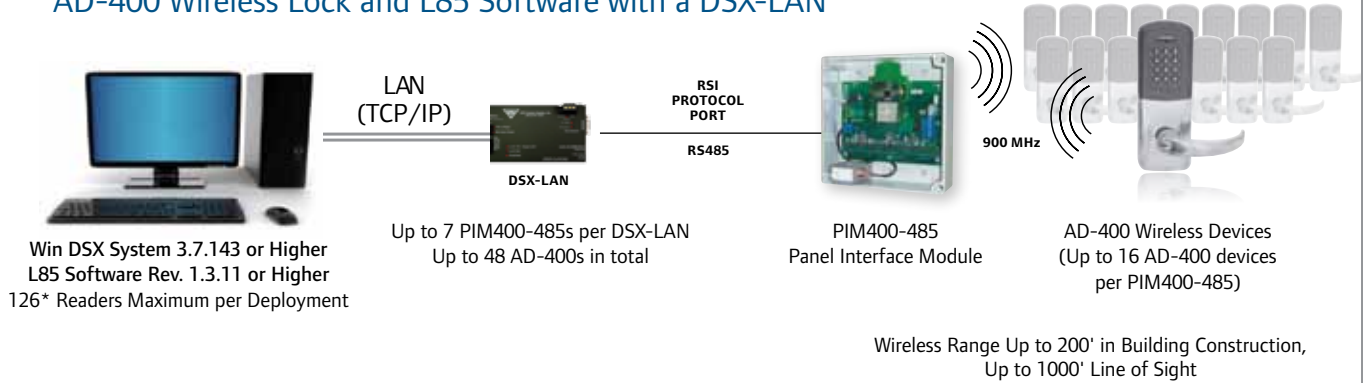
WinDSX Access Control System with DSX-L85 Integrated Lockset Management Software

- Up to 126 devices per L85 deployment, consult DSX for specific PC or server requirements.
- DSX-LAN: Up to 7 PIM400s and/or AD-300s per RS-485 port, not to exceed 48 locking devices in total.
- DSX-USB/MCI: Up to 14 PIM400s and/or AD-300s per RS-485 port, not to exceed 48 locking devices in total
- No mandatory software maintenance package required

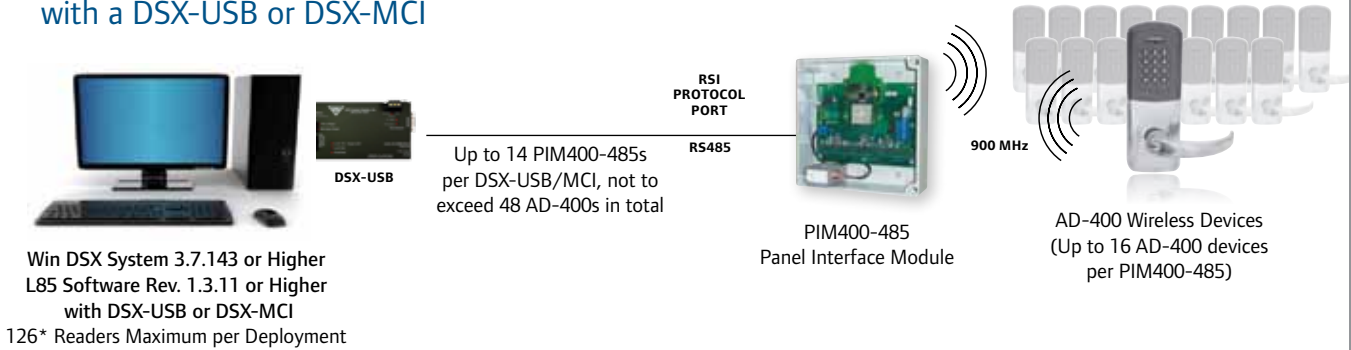
* Consult DSX for specific PC or server requirements to manage multiple DSX-LAN/USB/MCI devices.

SYSTEM ARCHITECTURE

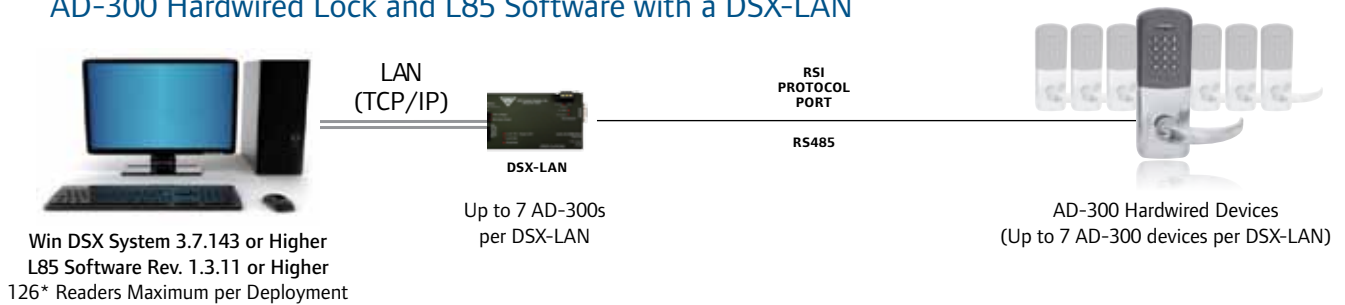
AD-400 Wireless Lock and L85 Software with a DSX-LAN



AD-400 Wireless Lock and L85 Software with a DSX-USB or DSX-MCI



AD-300 Hardwired Lock and L85 Software with a DSX-LAN



AD-300 Hardwired Lock and L85 Software with a DSX-USB or DSX-MCI



While not specifically shown, AD-300 and AD-400 can be used on the same port, daisy chained

For Wiegand solutions, please contact DSX

System Capabilities		
	AD-400	AD-300
	PIM400-485	Direct RS485
Features		
Maximum Number of Readers Supported per L85 Deployment	126**	126**
Maximum Number of PIM400 and/or AD-300 per DSX-LAN	7	7
Maximum Number of PIM400 and/or AD-300 per DSX-USB/MCI	14	14
Maximum Number of devices per DSX-LAN	Up to 48	Up to 7
Maximum Number of devices per DSX-USB/MCI	Up to 48	Up to 14
Maximum Number of devices per PIM400	Up to 16	N/A
Communication to and from controller	RS485	
Access control decision made by Host software or by lock database	HOST	
Lock linked via HOST or HHD (Handheld Device)	HHD	
Configuration via HOST or HHD (Handheld Device)	HHD	
Other System Requirements		
Reader Interface / Gateway	DSX-LAN, DSX-MCI, or DSX-USB	
Readers (see supported credential formats to the right):		
Keypad Only	Up to 5 digits	Up to 5 digits
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	Up to 7 digits	Up to 7 digits
Status Monitors		
Request to Exit	Yes	Yes
Door Position Switch	Yes	Yes
Interior Cover Tamper Guard	Yes	Yes
PIM/PIB Tamper Guard	Yes	Yes
Lock/Unlock Status Clutch Position	Yes	Yes
Mechanical Key Override (ATK)	Yes	Yes
Request to Enter	Yes	Yes
Low Battery Status	Yes	N/A
Battery Voltage Level	Yes	N/A
Communication Status	Yes	Yes
Remote Lockdown (from host)	Yes (<10 secs)	Yes
Remote Unlock (from host)	Yes (<10 secs)	Yes
Deadbolt Position	No	No
Interior Push Button	No	No
Lock Functions		
Classroom/Storeroom	Yes	Yes

Supported Proximity Cards (125 kHz):

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

† 75 bit format output default. Configurable to other formats.

** Consult DSX for specific PC or server requirements to manage multiple DSX-LAN/USB/MCI devices.

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 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 (RX LC part # 0050281 for Von Duprin 98/99 & Von Duprin 22/22F Rim/SVR devices & part number 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-lever7 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 DSX Access Systems Inc.:
1-888-419-8353 or www.dsxinc.com

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