



## QUALITY BY DESIGN

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Access Control & Lock - 01, Jan 2017



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# ACCESS CONTROL & LOCK

Products and Solutions

2017 Ver. 1

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- Hotel Lock Solution

# ACCESS CONTROL








## Multi-door Controller

- Central management
- Wiegand and RS485 protocol for reader



### Multi-door Controller

	ASC1204B	ASC1202B	ASC1208C	ASC1204C	ASC1202C
Model					
Reader	4	2	8	4	2
Communication	RS485 Wiegand 26/34	RS485 Wiegand 26/34	RS485 Wiegand 26/34	RS485 Wiegand 26/34	RS485 Wiegand 26/34
Exit Button	4	2	8	4	2
Door Sensor	4	2	8	4	2
Alarm In/Out	1/1	2/2	4/4	1/1	2/2
Users	100,000	100,000	100,000	100,000	100,000
User Management	General, VIP, Guest Patrol, Duress	General, VIP, Guest Patrol, Duress	General, VIP, Guest Patrol, Duress	General, VIP, Guest Patrol, Duress	General, VIP, Guest Patrol, Duress
Time Plan	128	128	128	128	128
Holiday Schedule	128	128	128	128	128
Alarm	Door time out Intrusion Duress, Tamper	Door time out Intrusion Duress, Tamper	Door time out Intrusion Duress, Tamper	Door time out Intrusion Duress, Tamper	Door time out Intrusion Duress, Tamper
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
Accumulator Battery	—	—	Max. 12V/7Ah	Max. 12V/7Ah	Max. 12V/7Ah
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	DC9~15V, Max 6W	DC9~15V, Max 6W	AC100~240V, Max 6W	AC100~240V, Max 6W	AC100~240V, Max 6W



**Standalone**




- All-in-one design
- LCD display operation menu
- Wiegand and RS485 protocol for reader
- Attendance function







Standalone			
	ASI1212D(-D)	ASI1212A(V2) ASI1212A-D(V2)	ASI1201A(-D)
Model			
Screen	2.4 " TFT 320x240	2.8 " TFT 320x240	LCD 128x64
Read Format	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)
Communication	RS485 Wiegand 26/34	RS485 Wiegand 26/34	RS485 Wiegand 26/34
Interface	USB	—	—
Alarm In/Out	1/1	1/2	1/2
Users	30,000	30,000	30,000
Fingerprint Capacity	3,000	3,000	—
User Management	General, VIP, Guest, Patrol, Duress	General, VIP, Guest, Patrol, Duress	General, VIP, Guest, Patrol, Duress
Time Plan	128	128	128
Alarm	Door time out, Intrusion Duress, Tamper	Door time out, Intrusion Duress, Tamper	Door time out, Intrusion Duress, Tamper
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps
Ingress Protection	IP65 (outdoor)	IP55	IP55
Working Temperature	-5°C~+55°C (+23°F~+131°F)	-5°C~+55°C (+23°F~+131°F)	-5°C~+55°C (+23°F~+131°F)
Power	DC9~15V, Max 6W	DC9~15V, Max 6W	DC9~15V, Max 6W











## Reader






- RS485 or wiegand 26/34 protocol optional
- Beep and touch sound indicator
- Surface or flush mounted

Reader			
	ASR1200D(-D)	ASR1201D(-D)	ASR1102A(V2) ASR1102A-D(V2)
Model			
Read Format	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)
Communication	RS485 Wiegand 26/34	RS485 Wiegand 26/34	RS485
Fingerprint	—	—	3,000
Password Input	—	Support	—
Transmission Distance	RS485: 100m/1000m (Separate power suply) Wiegand:40m	RS485: 100m/1000m (Separate power suply) Wiegand:40m	100m (1000m, Separate power suply)
Alarm	Tamper	Tamper	Tamper
Keypad	—	Touch keypad	—
Indication	Blue Backlight, Buzzer	Blue Backlight, Buzzer	Blue Backlight, Buzzer
Ingress Protection	IP67	IP67	IP55
Working Environment	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-5°C~+55°C (+23°F~+131°F)
Power Supply	DC9~12V, Max 1.2W	DC9~12V, Max 1.2W	DC9~12V, Max 1.2W

Reader						
	ASR1100B(-D)	ASR1101M(-D)	ASR1100A(-D)	ASR1101A(-D)	ASR1000A(-D)	ASR1001A(-D)
Model						
Read Format	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)	13.56MHz (-D 125KHz)
Communication	RS485 Wiegand 26/34	RS485 Wiegand 26/34	RS485	RS485	Wiegand 26/34	Wiegand 26/34
Fingerprint	—	—	—	—	—	—
Password Input	—	Support	—	Support	—	Support
Transmission Distance	RS485: 100m/1000m (Separate power suply) Wiegand:40m	RS485: 100m/1000m (Separate power suply) Wiegand:40m	RS485: 100m/1000m (Separate power suply)	RS485: 100m/1000m (Separate power suply)	Wiegand:40m	Wiegand:40m
Alarm	Tamper	Tamper	Tamper	Tamper	Tamper	Tamper
Keypad	—	Mechanical Button	—	Touch keypad	—	Touch keypad
Indication	Blue Backlight, Buzzer	Blue Backlight, Buzzer	Blue Backlight, Buzzer	Blue Backlight, Buzzer	Blue Backlight, Buzzer	Blue Backlight, Buzzer
Ingress Protection	IP67	IK08	IP55	IP55	IP55	IP55
Working Environment	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power Supply	DC9~12V, Max 1.2W	DC9~12V, Max 1.2W	DC9~12V, Max 1.2W	DC9~12V, Max 1.2W	DC12V, Max 1.2W	DC9~12V, Max 1.2W



Electronic Lock								
	Magnetic Lock				Electric Dropbolt		Electric Strike	
	AL-280(LED)	AL-500(LED)	AL-280D(LED)	AL-500D(LED)	AL-100	AL-100WS	AL-200	AL-211
Model								
Description	Power on-NC; Single Door; Relay Input&output; Anti-pool 280kg; Working Temperature: -30°C~+60°C(-22°F~+140°F)	Power on-NC; Single Door; Relay Input&output; Anti-pool 500kg; Working Temperature: -30°C~+60°C(-22°F~+140°F)	Power on-NC; Double-Door; Relay Input&output; Anti-pool 280kg; Working Temperature: -30°C~+60°C(-22°F~+140°F)	Power on-NC; Double- Door; Relay Input&output; Anti-pool 500kg; Working Temperature: -30°C~+60°C(-22°F~+140°F)	Power on-NC Magnetic auto lock; Door thickness: >50mm Working Environment: -30°C~+60°C(-22°F~+140°F)	Power on-NC Magnetic auto lock; Door thickness: >42mm Working Environment: -30°C~+60°C(-22°F~+140°F)	Power on-NC Power off-keep status; Magnetic auto lock; Door thickness: >35mm Working Environment: -30°C~+60°C(-22°F~+140°F)	Power on-NC Power off-keep status; Magnetic auto lock; Working Environment: -30°C~+60°C(-22°F~+140°F)

Magnetic Lock Bracket					
	Lock AL-280(L bracket)	Lock AL-500(L bracket)	Lock AL-280(Z bracket)	Lock AL-500(Z bracket)	Lock AL-280(PU bracket)
Model					
Description	Working Temperature: -30°C~+60°C(-22°F~+140°F)	Working Temperature: -30°C~+60°C(-22°F~+140°F)	Working Temperature: -30°C~+60°C(-22°F~+140°F)	Working Temperature: -30°C~+60°C(-22°F~+140°F)	Working Temperature: -30°C~+60°C(-22°F~+140°F) Door thickness: 8~15mm

Others						Unlock Card			
	Enrollment Reader	Fingerprint Enrollment	Exit Button	Exit Button	Door Closer	Philips IC	IC	ID	ID
	ASM100(-D)	ASM102(V2)	The Type 86	ABK-801B	FS-072	MF11CS50	Key Card	ID-EM	Key Card
Model									
Description	USB Communication; Working Temperature: -30°C~+60°C (-22°F~+140°F)	USB Communication; FAR≤0.0001% FRR≤0.014% Working Temperature: -10°C~+55°C(+23°F~+131°F)	ABS plastic; Working Temperature: -30°C~+60°C (-22°F~+140°F)	Stainless steel; 115×70×20mm	Suitable for any door with frame and open at 180 degree	13.56MHz; From Philip;	13.56MHz	125KHZ	125KHZ

## Software

- Max. 100 controllers in a system
- Video linkage
- Data import and export
- Attendance function

### Smart PSS

#### SmartPss V1.16.1

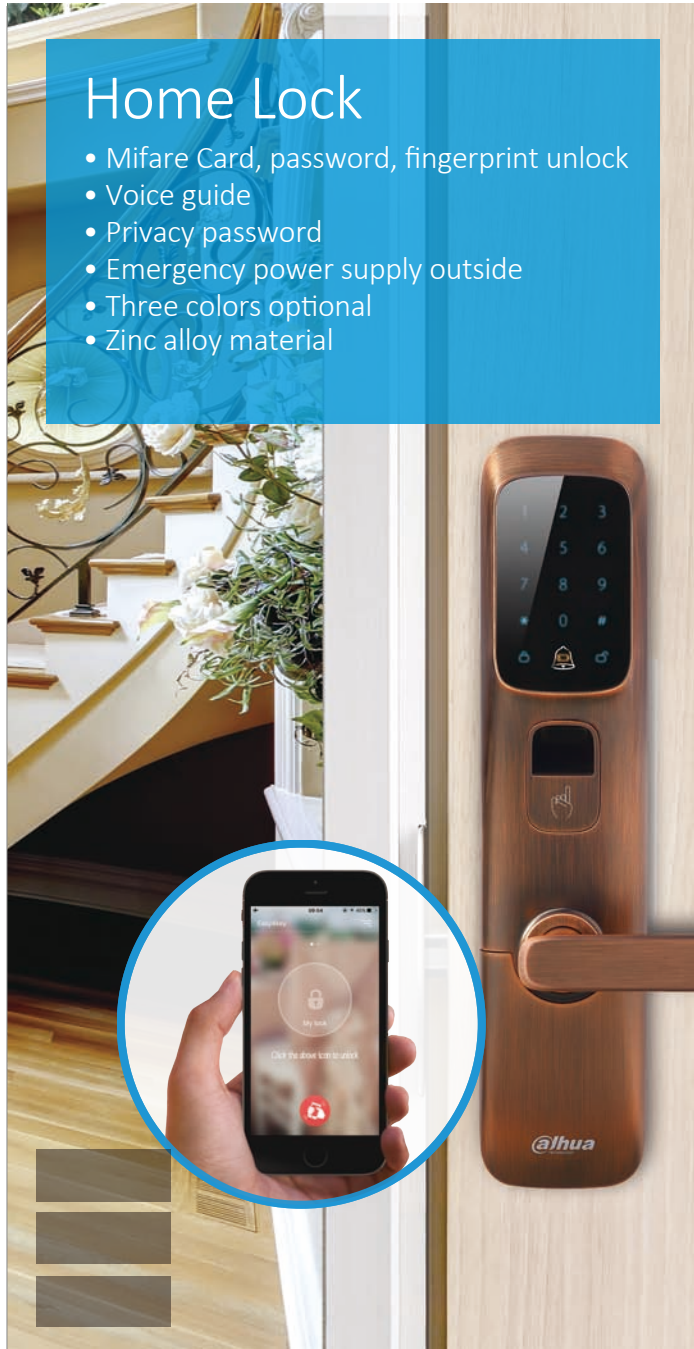
- Open SDK, free
- Remote control all doors
- Video linkage
- Time Attendance



Devices	Supported Devices	Controller, Standalone
Door Config	Max. Register Devices	100
	Device Management	Auto search, Manual add, Upgrade, Door group, Setup and etc.
	Remote Control	Open/Close door
	Open Mode Setup	Card, Password, Fingerprint, Combination
	Door Parameter Setup	Unlock hold time, Holiday timezone and etc., Alarm enable
	Check Info.	Check IP address, Version, User number, Record number
	Synchronize Data	Configuration, Record
Advanced Function	Anti-pass back, Multi-door interlock, Multi-card Open, Video linkage, Time Attendance	
Log	Unlock Record, Alarm Record	
Minimum System Requirements	OS	Microsoft Windows XP SP3 (32 bit) and above
	CPU	Core 2 dual 3.0
	RAM	DDR3 2GB
	Display Resolution	1024×768 or above

























# SMART LOCK





## Home Lock

- Mifare Card, password, fingerprint unlock
- Voice guide
- Privacy password
- Emergency power supply outside
- Three colors optional
- Zinc alloy material

Home Lock						
	ASL8112K/R/S-W	ASL8101K/R/S-W	ASL6101K/R/S-W	ASL8112K/R/S-B	ASL8101K/R/S-B	ASL6101K/R/S-B
Model						
Card Type	Mifare card	Mifare card	Mifare card	Mifare card	Mifare card	Mifare card
Password Digits	6-12 digits	6-12 digits	6-12 digits	6-12 digits	6-12 digits	6-12 digits
Fingerprint Capacity	50	—	—	50	—	—
Wireless protocol	433MHz	433MHz	433MHz	Blue-tooth	Blue-tooth	Blue-tooth
Mechanical Key	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs	3 pcs
Lock Body	European standard	European standard	American standard	European standard	European standard	American standard
Door Thickness	45-80mm (customizable)	45-80mm (customizable)	40~60mm	45-80mm (customizable)	45-80mm (customizable)	40~60mm
Backset	60mm	60mm	62mm	60mm	60mm	62mm
Deadbolt-Backset	68mm	68mm	97mm	68mm	68mm	97mm
Case	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy	Zinc alloy
Working Temperature	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)
Working Voltage	6V, AA battery(4pcs)	6V, AA battery(4pcs)	6V, AA battery(4pcs)	6V, AA battery(4pcs)	6V, AA battery(4pcs)	6V, AA battery(4pcs)
Low Voltage Warning	< DC4.5V	< DC4.5V	< DC4.5V	< DC4.5V	< DC4.5V	< DC4.5V
Battery Life	1 year (10 units/D)	1 year (10 units/D)	1 year (10 units/D)	1 year (10 units/D)	1 year (10 units/D)	1 year (10 units/D)
Colors	  	  	  	  	  	  

 Black Bronze  Antique Copper  Satin Silver

# Hotel Lock

- Stainless steel panels and handles, sturdy and durable
- RF card
- Spare mechanical keys solve any emergency
- Lock failure /Low voltage alarm
- Wireless installation
- The handle turns freely when access is not authorized
- Multi-management






Hotel Lock			
	ASL411S	ASL412S	ASL413S
Model			
Card Type	IC(Mifare 1)	IC(Mifare 1)	IC(Mifare 1)
Card Responce Time	< 0.5s	< 0.5s	< 0.5s
Reader Range	3cm(max.)	3cm(max.)	3cm(max.)
Mechanical Key	2PCS	2PCS	2PCS
Lock Failure Warning	5s	5s	5s
Lock Body	American standard	American standard	American standard
Door Thickness	35mm~70mm	35mm~70mm	35mm~70mm
Backset	70mm	70mm	60mm
Central Distance	92mm	92mm	92mm
Case	SUS304 Stainless steel	SUS304 Stainless steel	SUS304 Stainless steel
Lock Case Test	≥100000 times	≥100000 times	≥100000 times
Working Voltage	1.5V"AA"battery(4pcs)	1.5V"AA"battery(4pcs)	1.5V"AA"battery(4pcs)
Low Voltage Warning	< DC4.5V	< DC4.5V	< DC4.5V
Battery Life	About 1 year (10 units/D)	About 1 year (10 units/D)	About 1 year (10 units/D)
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)

## Software

- Friendly user interface
- Multi-language
- Easy installation



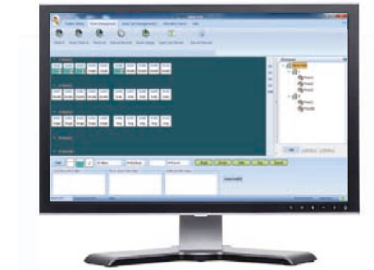
### Accessories

	Power save switch	Enrollment Readerr	PDA
	T86M1Y	ASM200	ASH100
Model			
Description	IC (Mifare) card to gain power Hotel room guest card associated 180~240V	For hotel lock; USB interface; Auto detection; licensing Hotel lock management software forever;	For Hotel lock; Easy to install lock information; Easy to output Unlocking Records; Convenient Check-out operation, improving your hotel management system; Use advanced microwave communication technology to realize data exchange between PDA and lock; Humanity operation interface;

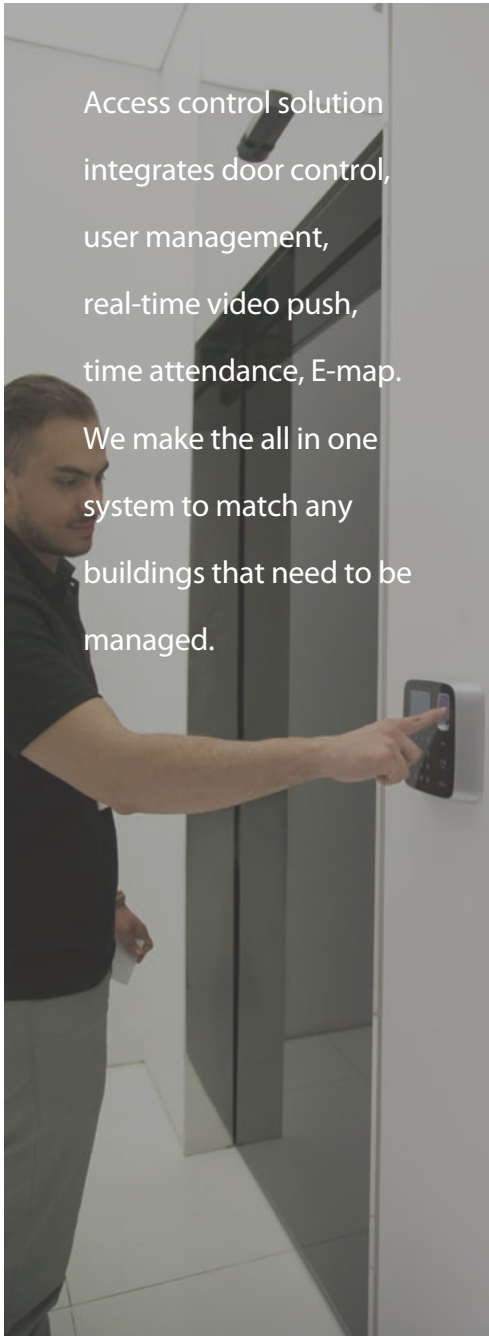
### DLock

## Hotel Lock Management System

Open SDK, free  
System easy-to-use

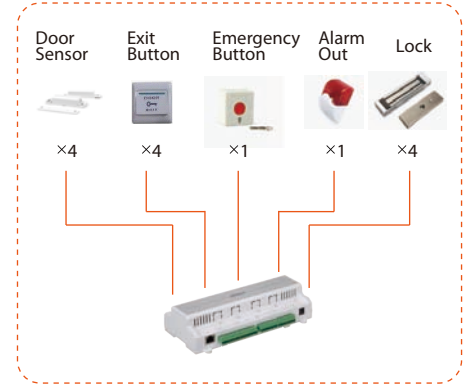
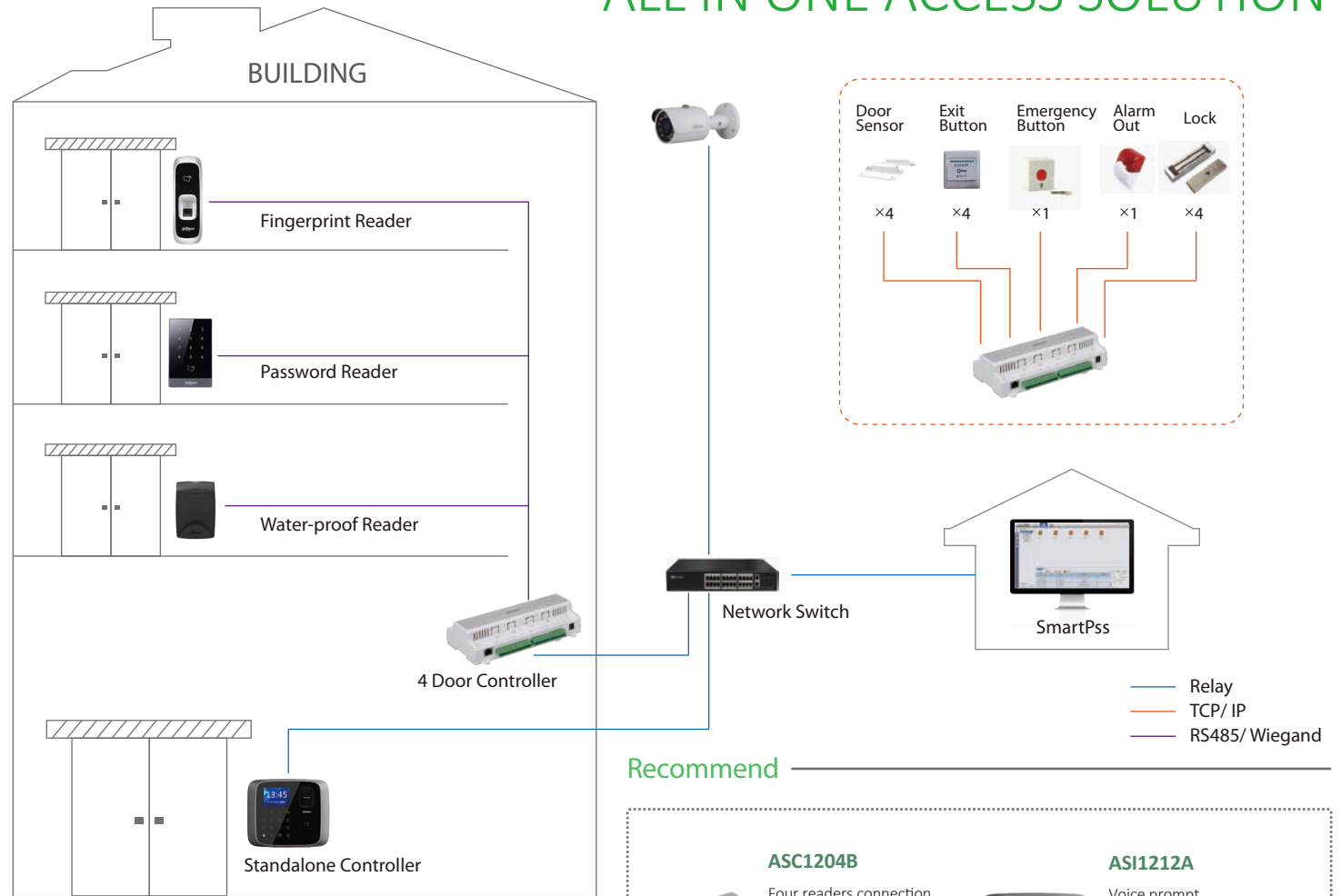


Devices & Users	Max. Management Locks	No Limit
	Max. Number of Users	No Limit
Operation	System	User rights defined, Building management, data Backup
	Room Management	Check-in/out in real-time
	Smart Card Management	Master card, Building card, Floor card, Emergency card
Minimum System Requirements	OS	Windows XP/Vista/7/8
	GPU	Intel(R) HD Graphics or above
	CPU	Intel(R) Core(TM) i3 or above
	Main Memory	2GB or above
	Display Resolution	1024×768 or above









Access control solution integrates door control, user management, real-time video push, time attendance, E-map. We make the all in one system to match any buildings that need to be managed.

# ALL IN ONE ACCESS SOLUTION



## Features

-  Differential Rights Management
-  Reports Management
-  Video Linkage
-  Multi-interlock
-  Anti-pass Back
-  Attendance

## Recommend

**ASC1204B**

Four readers connection  
100,000 cards & 300,000 logs  
Wiegand or RS-485 interface to readers



**ASI1212A**

Voice prompt  
Card, password and fingerprint unlock  
Support 30,000 valid cards & 150,000 records  
Wiegand or RS-485 interface to readers



**ASR1102A**

Up to 3000 fingerprints capacity  
Support card, fingerprint

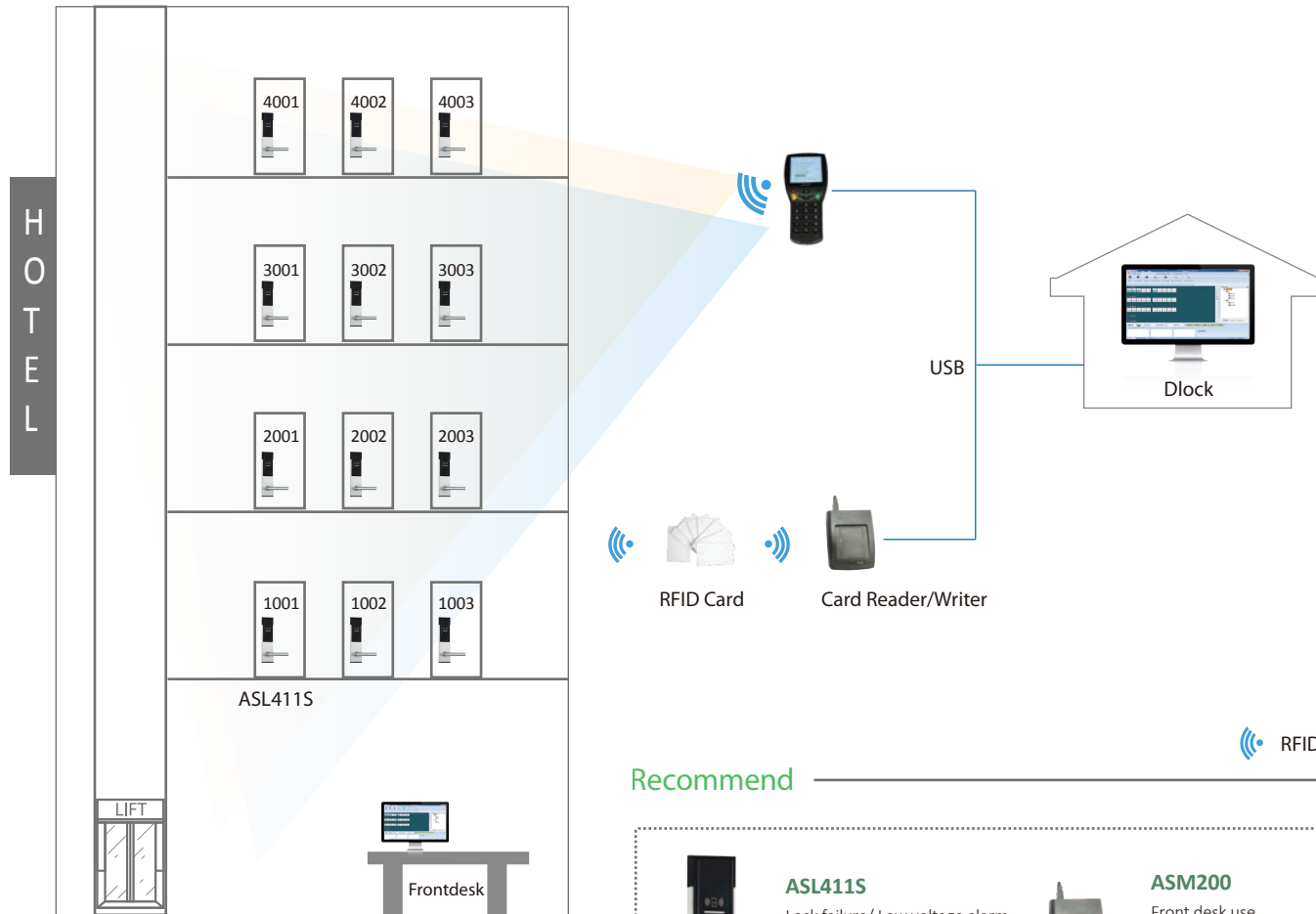


**ASR1101A**

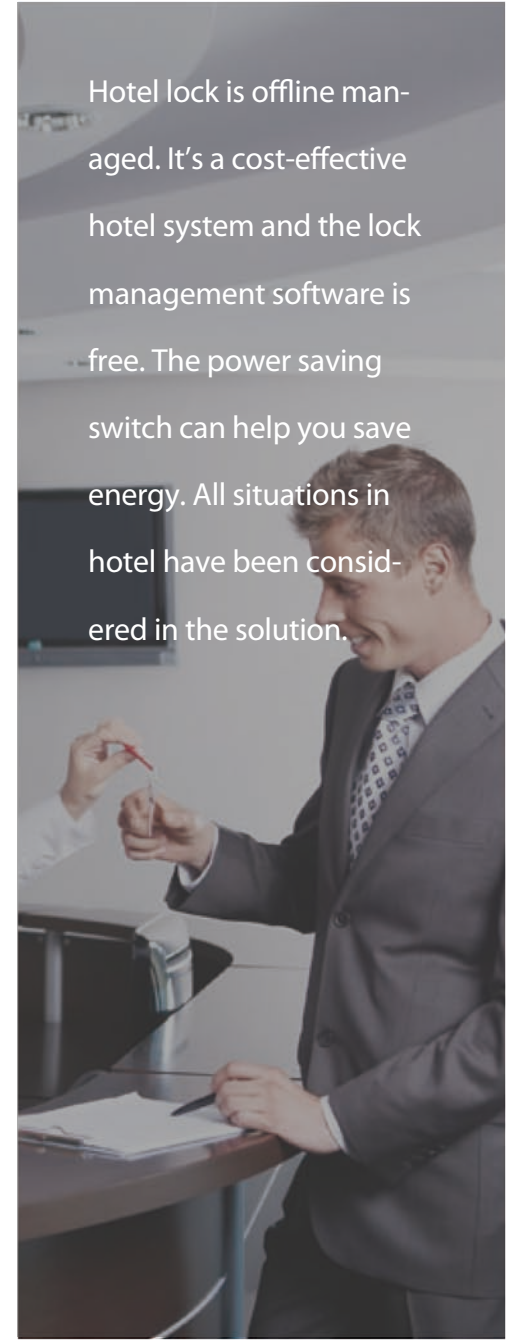
RS485/Wiegand protocol  
Support card, password



# HOTEL ELECTRONIC LOCK SOLUTION



Hotel lock is offline managed. It's a cost-effective hotel system and the lock management software is free. The power saving switch can help you save energy. All situations in hotel have been considered in the solution.



## Recommend



**ASL411S**  
Lock failure/ Low voltage alarm  
Central management



**ASM200**  
Front desk use  
No driver installation, plug and play  
USB power supply and communication



**ASH100**  
Write room number into lock;  
Download Lock Information;  
Check-out and correct time operation;



**T86M1Y**  
Mifare card to gain power  
Hotel room guest card associated  
180~240V

## Features



Sturdy and Durable



Multi-management



Lock Failure Alarm



Mifare Card



Power Saving



Records Search