

Model / Features	Control up to	Card Storage	Events transaction	Time sets (3 intervals each)	TimeZone (7 days+2 holidays / time zone)	User accessibility
CENTURION CAS-1S	1 door	2,500	2,500	50	50	50
S-SERIES CAS-2S / 4S / 8S	2/4/8 door	5000	2,500	100	100	100
ADVANCED-SERIES CAS-12S	12 doors	5,000	50,000	256	256	256
CAS-16S	16 doors	5,000	50,000	256	256	256

Ordering Information

Controller (S-Series)

	Stock code	Description
	CAS-2S	2-doors controller
	CAS-4S	4-doors controller
	CAS-8S	8-doors controller


Dimension
194mm(W) x 291mm(H) x 81mm(D)

(Advanced Series)

	Stock code	Description
	CAS-12S	12-doors controller
	CAS-16S	16-doors controller

Dimension
194mm(W) x 291mm(H) x 81mm(D)

Reader

	Stock code	Description
	PRO-NDT	Proximity reader c/w 12 keys polycarbonate keypad reader interface unit & ABS casing with blue LCD (Format : Magnetic Signal)
	PRO-NDH	HID proximity reader c/w 12 keys polycarbonate keypad, reader interface unit ABS casing with blue LCD. (Format : Wiegand 26 bits)
	CAS-MSN26	Contact-less smart card reader (Mifare Card Serial Number) c/w 12 keys polycarbonate keypad, reader interface unit & ABS casing with blue LCD (Format : Wiegand 26 bits)
	PRO-4SM-T	Proximity reader c/w 12 keys polycarbonate keypad, reader interface unit & metal casing.(Format : Magnetic Signal)


Dimensions :
170H x 185W x 35D mm

Recommended Accessories

Stock code	Description
CPC30	3A/13.8Vdc power supply unit with battery charger
CLP-22-2W	RS485 lightning / surge arrestor (2 wires)
600LB	12Vdc,600lbs electric magnetic lock
Bat7	7AH sealed lead acid rechargeable battery
Communication Cable	Belden 1419

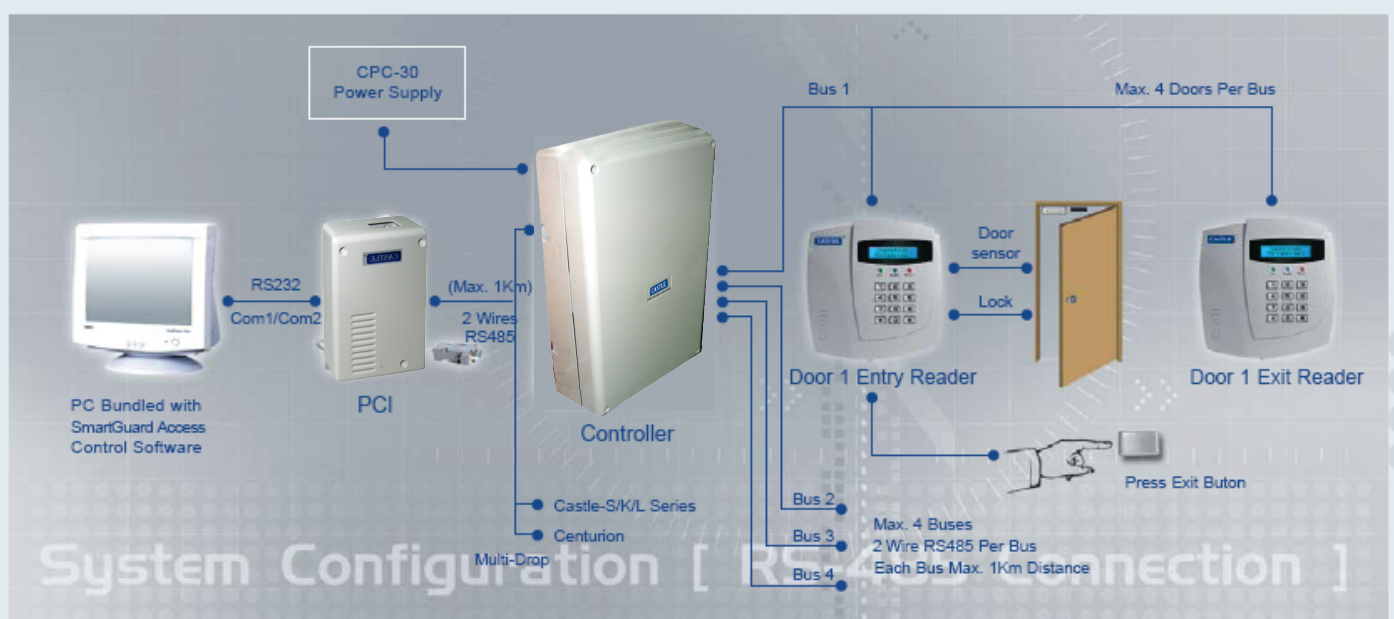
For a full accomplishment of CE marking for door access system, the recommended accessories on the above item need to be included.

SmartGuard Series Software

 <p>Dimension 97mm(W) x 135mm(H) x 37mm(D)</p>	Stock code	Description
	PCI-1/2	Smart Guard Standard software c/w PC-interface unit. - 1/16 controller version. - Able to manage door / car park access.
	PCI-PRO	Smart Guard Pro software c/w PC-interface unit. - 1 Bus 16 controllers version. - Support fingerprint controller. - Able to manage door / lift / car park access.
	PCI-PRORM	Multiple site remote monitoring software c/w PC-interface unit. - 1 Bus 16 controllers version. - Support fingerprint controller. - Able to manage door / lift / car park access.
	PCI-RMAGN	-Remote program data collector. (Remote Agent)
	CV2588	-RS485 to LAN converter. (UTP Ethernet 10 Base T with TCP/IP protocol)
	CAS-OEM	Software development kit to communicate with Castle S-Series Controller. (CASWIN-OEM)
	PCI-C/S-1A	Smart Guard Client-Server software c/w PC-interface unit. - 1 Bus 16 controllers version. - Able to manage door / lift / car park access.
	PCI-C/S-2A	Smart Guard Client-Server software c/w PC-interface unit. - 2 Bus 32 controllers version - Able to manage door / lift / car park access.
	PCI-C/S-RM1A	Smart Guard Client-Server remote software c/w PC-interface unit. (Multiple site remote monitoring) - 1 Bus 16 controllers version - Able to manage door / lift / car park access.

SmartGuard series software runs on : Win 95, NT, 98, 98(SE), ME, 2000 Professional

System Configuration [RS-485 Connection]



Lift Access Control (SL-Series)

The Castle 2SL is an expandable lift access system. It can be configured to control floor accessibility up to 16 floors/32 floors/48 floors, in multiple of 16. CTR-16 16-relay controller controls the floor selection button. Expanding the system from controlling 16 floors to 20 floors is only by adding one more CTR 16 to the system.

Features

- Controls up to 2 lifts/COP under one controller (2 bus)
- Controls up to 16/32/48 floor selection buttons on each lift / COP
- 1 bus can only support 1 reader and 3 relay controller (relay board)
- 2 core wires required for communication (Max. distance 1 km)
- 5,000 card holders
- 2,500 transactions
- 100 Time sets each with 3 time intervals
- 100 Time zones
- 100 Access Levels
- 100 Floor Access Levels
- 100 Floor Zones each with 6 floor intervals
- 2 x 20 backlit LCD, menu driven programming
- Connects to PCI-PRO, PCI-CS1, PCI-CS2 for data downloading and online transactions monitoring
- Can be networked through 2 wires RS-485 with Castle-S series Door Access and Car Park Access Controller to PC running SmartGuard Pro and controlled under the same software
- Power supply : 12 Vdc @ 500 mA

CTR-16 Relay Board General Specification

Controls up to 16 relays output
On board 10A 24Vdc, 6A 240Vac relay
For lift selection button and lift expansion
Power supply : 12Vdc @ 500mA

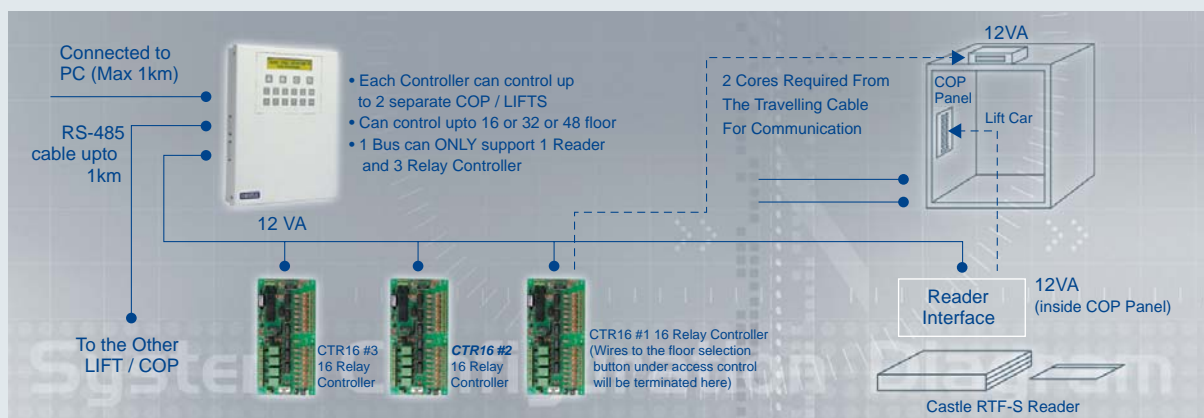
Accessories

16 relays output board
Power supply
PC-Interface unit - PCI-PRO, PCI-Pro-Remote
or PCI-Client Server

Ordering Information

Stock Code	Description
CAS-2SL	Control 2 lift car only Dimension : 68D x 189W x 547Hmm
CTR-16	16 units on board 10A/24 Vdc, 6A/240 Vac relay Dimension : 120L x 255Wmm
LR-PROX-T	Proximity reader c/w reader interface unit without keypad Dimension : 35D x 128W x 167Hmm
LR-MAG	Magnetic swipe reader c/w reader interface unit with 12 keys polycarbonate keypad Dimension : 35D x 128W x 167Hmm

System Configuration Diagram

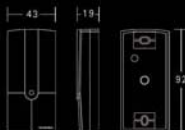


PLASMA MINI

The PLASMA MINI Series prides itself in being discreet yet stylish. The stylish Black strip in the center of the Reader illuminates in blue when activated, once again shows ADALO's ambition to be different from others!



Pearl White Metallic Silver



PLASMA PRO

The PLASMA PRO Series encompasses classic lines with a modern touch. PLASMA PRO Series is available in both standard and keypad versions. The keypad version features a sensor touch keypad, which would only light up upon sensing the human touch. Once again, the Reader illuminates in blue when activated, once again shows ADALO's ambition to be different from others!



Pearl White Pearl White Metallic Silver Metallic Silver



*All PLASMA Series Readers are featured with ADALO's GMS Encryption.



E-Guard

Standalone Access System

Standalone Access System



Touch Sensor Keypad



ASIAN PROFESSIONAL SECURITY ASSOCIATION

Ordering Code:
EGX : E-Guard
EGX-M : E-Guard Plus
Available Color:
Black

Elegant Touch-Sensitive
Immune to environmental wear-and-tear

Stylish . Innovative . Easy

E-GUARD FEATURES

- 200 cards user storage.*
- Card format: Magnetic ABA.*
- 4 digits of 32 set PIN access number.
- PIN only, Card only and Card+PIN mode.*
- Configurable door lock release time from 1-99 (Default time: 10 seconds).
- Configurable door open time from 1-99 (Default time: 15 seconds).

- Tricolour LED for Valid, Error & Ready status indication.
- One output for door locking system.
- One output for alarm or door bell system.
- Alarm input
- Reader Lock features.
- 6 digits of programmable Master PIN.
- Support exit reader.
- Exit button input & door sensor input

* E-Guard Plus features

SPECIFICATION

Operating voltage	: 12Vdc
Input voltage tolerance	: 12 - 13.8Vdc
Rated current input	: 1A
Operating temperature	: 0 - 65°C
Operating humidity	: 0 - 90 %

Watchdog	: Yes
Buzzer	: Yes
Housing	: ABS
Weight	: 160 gram
Dimension	: H (115mm) x W (84mm) x D (23mm)