

ACCESS CONTROL

Hi-tech.
Advanced.
Multifaceted.

These are some of the terms that best describe
our diverse range of access control offerings.



SOLO

Standalone Proximity Access Control System

Product Code: **SOLO0001V1_AU**

SOLO is designed for small standalone access control applications where security, cost and simplicity are important. This reader allows for easy programming of up to 50 user tags as well as selective, easy adding and deleting of users thanks to the reader's exceptionally user-friendly LED-based interface.

Main Features

Mechanical Features

- Optional secure link (SmartSwitch II) – additional security measure to prevent unauthorised access even if the unit is tampered with
- Weatherproof reader
- Optional anti-knock shield for reader

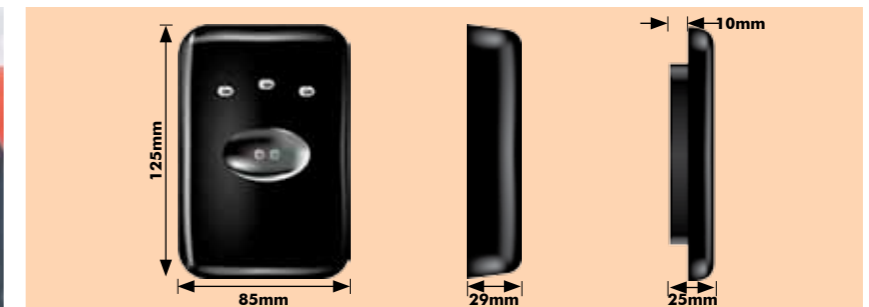
Electronic features

- 50 user tag memory – ideal for basic proximity access applications
- Tags are encrypted and cannot be cloned
- Excellent read range
- 13.56MHz operating frequency

- Output is configurable as follows:
 - Pulsed output configurable from 1 - 254 seconds
 - Latched output
- Free-exit input
- Door Sense input
- Output for external alarm – alarm is generated under the following conditions:
 - Door Held Open for an extended period of time
 - Door Forced Open

Technical Specifications

Technical Data	SOLO
Input voltage	10V – 12V AC or 11V – 15V DC
Current draw	
Quiescent	110mA
Maximum	150mA
Tag frequency	13.56MHz
Read range	80 – 100mm
Reader dimensions (mm)	
Surface-mount	Width: 90mm x Depth: 30mm x Height: 129mm
Flush-mount	Width: 86mm x Depth: 15mm x Height: 124mm
Weight	0.1kg
Temperature range	-20°C to 50°C
Humidity	0 – 90% (non-condensing)
Degree of protection	IP55
Number of tags (including Masters)	51
Number of Master tags	2
Voltage-free relay output	✓
Relay time configurable (off/1 - 254s/latching)	✓
Door Open Timer (0 - 254s/continuous)	✓
Door Open Pre-warn Timer (0 - 254s/continuous)	✓
Door Open Alarm (Off/1 - 254s/continuous)	✓
Door Forced Alarm (Off/1 - 254s/continuous)	✓
User interface	5 LEDs
Door Sense Input	✓
Free-exit input	✓
Onboard buzzer	✓
Output for optional external alarm	✓
SmartSwitch II compatible	✓
Anti-tamper switch facility	✓
Networkable	-
Anti Passback	-
Firmware upgrade facility	✓



Lattice

Networked Proximity Access Control System

Product Code: Lattice Controller: **LATC0003V1_AU**, Lattice Slave Head: **LATS0001V1_AU**

Start as a standalone proximity unit and expand into a powerful networked system with up to 32 readers. A handy three-digit LED display allows for easy programming of user tags and **Lattice's** user-friendly interface makes selective adding and deleting of tags veritable child's play. For added functionality and even simpler administration, the system can be interfaced with the LatticeWARE computer software package. Lattice allows for the addition of up to 1000 user tags.

Main Features

Mechanical Features

- Weatherproof reader
- Optional anti-knock shield for reader
- Optional secure link (SmartSwitch II)
- Choose from either surface-mount or flush-mount fascias (included in kit)

Electronic Features

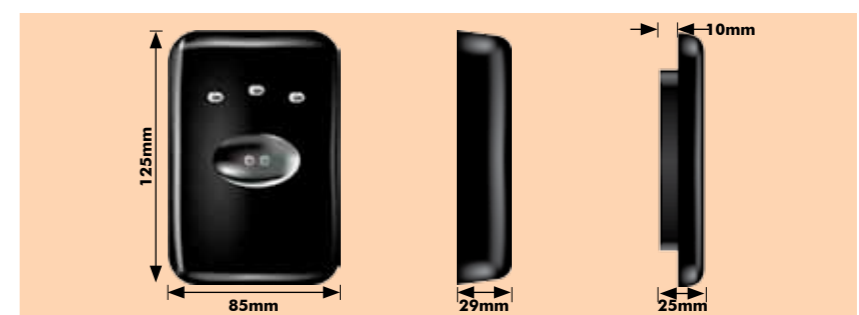
- 1000 user tag memory – perfect for larger applications with many users
- Tags are encrypted and cannot be cloned
- 13.56MHz operating frequency
- Start with a standalone controller and add up to 31 Slave Heads – great versatility
- Excellent read range

- Dual outputs on the controller and a single output on the Slave Heads – configurable as follows:
 - Pulsed output configurable from 1 - 254 seconds
 - Latched output
 - Free-exit input
 - Door Sense input
- Output for external alarm – alarm is generated under the following conditions:
 - Door Held Open for an extended period of time
 - Door Forced Open
- Anti-passback for improved security
- Limited Uses support – useful in pay-per-use and security applications
- Backup Memory Module available

Technical Specifications

Lattice	L1000	LSH
Input voltage	9V - 12V AC or 12V - 15V DC	
Current draw:		
Standby	110mA	110mA
Operating	170mA	150mA
Tag frequency	13.56MHz	
Read range	80 - 100mm	
Reader dimensions		
Surface-mount	Width: 85mm x Depth: 29mm x Height: 125mm	
Flush-mount	Width: 85mm x Depth: 10mm (visible) x Height: 125mm	
Weight	0.1kg	
Temperature range	-10 to +50°C	
Humidity	0- 90% (non-condensing)	
Standalone capability	√	-
Dipswitch configurable network address	-	√
Relay time configuration (Off/1 - 254s/Latch)	√	√
Open collector output time configuration (Off/1 - 254s/latch)	√	√
Door Open Timer (0 - 255s)	√	√
Door Open Pre-warn Timer (0 - 254s/infinite)	√	√
Door Open Alarm (Off/1 - 254s/infinite)	√	√
Door Forced Alarm (Off/1 - 254s/infinite)	√	√
Reduced power consumption	√	√
Functional tags in off-line situation	1000	40
Output channels	2	1
Voltage-free relay output (Potential-free)	√	√
Open collector output (SmartSwitch II enabled)	√	√ 1
Free-exit input (Potential free normally open contact - FRX)	√	√
Door Sense input (Potential free normally closed contact - DOOR SEN)	√	√
Output for optional external alarm (Potential free normally closed contact - Optional extra)	√	√
Anti-tamper Indication	√	√
User interface - 3 digit display + 3 LEDs	√	-
User interface - 5 LEDs	-	√
Hardware link to TUH (Lattice Take-up Head)	√	-
Alarm output time(s) increments	0 - 254 sec; adjustable in 1 sec increments	

1. Jumper on Slave Head selects between relay or open collector output.



LatticeWARE Networked Proximity Access Control System

Product Code: Take-up head: **LATTUH01V2_AU**

The LatticeWARE software is intuitive, easy to use and greatly enhances the functionality of the Lattice system.

The Lattice system, whether a standalone reader or networked system, can be further scaled by adding a PC. The PC or laptop becomes the Lattice server, which will now behave as the brains of the operation. The PC links to the controller via the Lattice Take-up Head (TUH). The TUH provides the system with a convenient tag reader for initial tag take-up and administration. The LatticeWARE software makes the task of modifying and managing the system far simpler.

Main features

Electronic Features

- Interface with the Lattice system at any stage
- Complete and easy setup
- Full management of the system
- Integrated time-barring support
- Multiple operating reports with export capability
- LatticeWARE is accessible from any PC in a networked system

SOLO and Lattice Accessories

SmartSwitch II

Product Code: **SMARTSW2V1**



The SmartSwitch II serves as an interface board that provides for an additional security measure, effectively guarding your system against any unwarranted triggers. It relies upon the receipt of a coded signal from the controller, which will then respond to the trigger.

SOLO and Lattice Anti-knock Shield

Product Code: **SOLOAKS0V1**



A Grade 304 stainless steel enclosure with a stylish and durable brushed finish for protecting your SOLO and Lattice reader from getting knocked and damaged.

SOLO and Lattice Tamper Indication Switch

Product Code: **SOLOTAMPO1**



A useful ancillary micro-switch that can be connected to the reader's onboard buzzer or a third party alarm system and provides an output whenever the reader is removed from its enclosure.

Backup Memory Module - Lattice Controller

Product Code: **PCA11667V1**



Effortlessly create a backup of all tags and settings saved to a Lattice controller's memory for superior data security.



SAFLEC

Comprehensive Access Control System

Various kit combinations available - refer to Price List

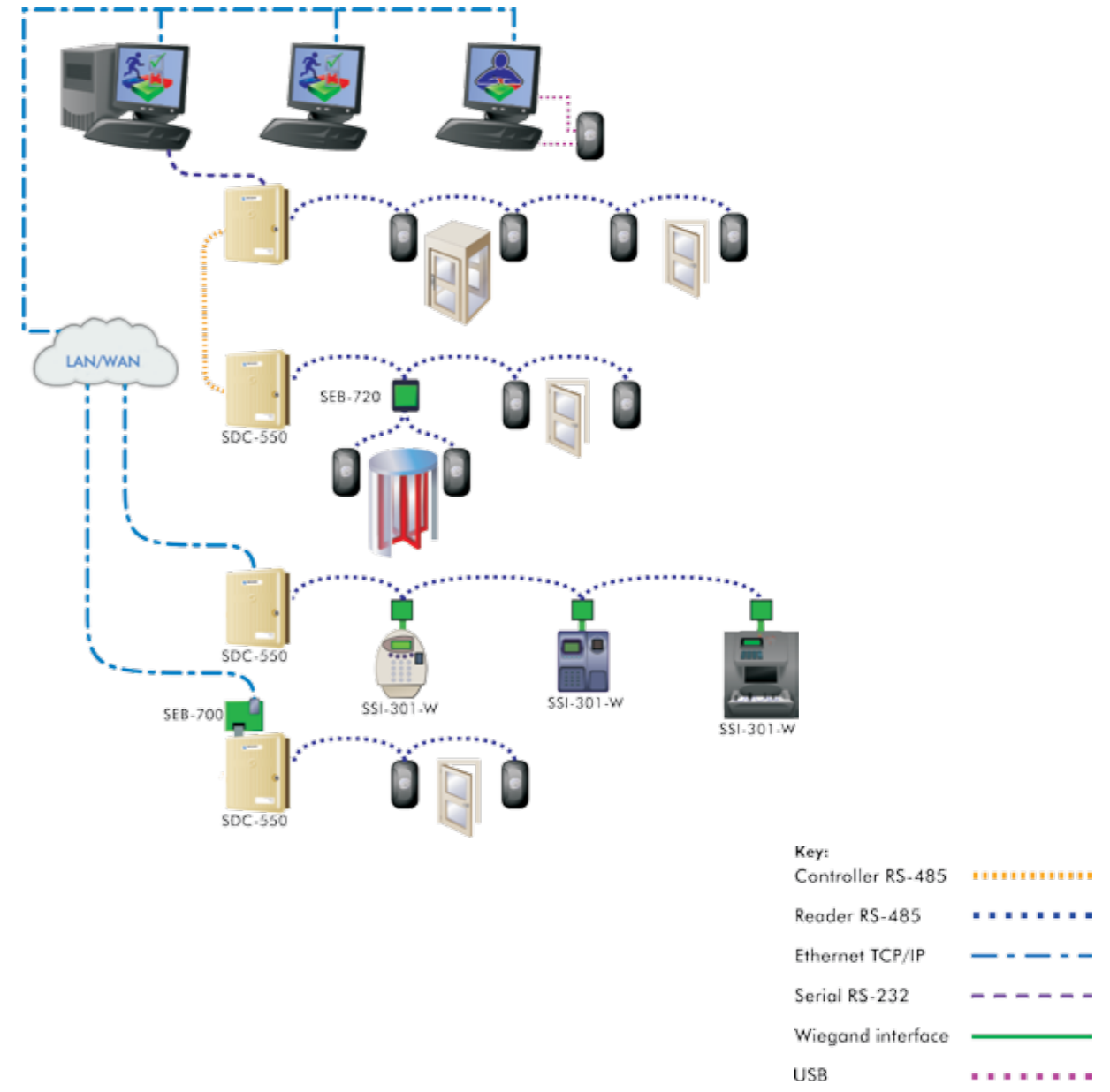
An excellent access control system for small, medium and large networked installations. Besides the proximity access control readers, the system can cater for many different components such as biometric readers, Time and Attendance-compliant readers, and keypad access control.

The network integrates with various protocols such as Wiegand, RS-485 and RS-232 allowing for network flexibility.

Main Features

- Networked, scalable access control system
- Easy, user-friendly installation and administration
- Anti-passback, timed Anti-passback and Zone Control
- Flexible Time & Attendance exporting
- Site-based configuration and hardware filtering
- Graphical event and alert monitoring and control
- PC-based actions for controlling third party devices such as CCTV, intrusion and fire systems

Example of a Typical System Configuration



SAFLEC Door Controllers

Comprehensive Proximity Access Control System

Various kit combinations available - refer to Price List

The Multiple Door Controllers can cater for, as a standard, five doors with a reader on both sides of each door for access control in both directions, and up to 3 200 tag-holders. The tag holder capacity is expandable up to 30 000, depending on the expansion boards utilised. Using remote I/O boards, the system can be expanded for a further three doors, totalling eight off the same controller. A total of 16 controllers can be networked together to handle up to 256 readers or 128 doors.

However, multiple 16-controller networks can be linked together via a PC to create an ever-expanding access control mega-network.

	Multiple door controller SDC-550	Multiple door controller SDC-520	SDC-220 Two-door controller
Maximum door capacity ¹	8	8	2
Tag holder capacity ²	3 200	30 000	1 000
Robust RS-485 reader connection	16 ³	16 ³	4 (isolated) ³
Relay outputs - can be potential-free or powered	5	2	2
Digital inputs ⁴	8	4	4
Wiegand interface connections	-	2	2
Events and actions on controller	√	√	-
Controller offline transaction buffer capacity	6 000	6 000 (+40 000 logs)	100 000
Robust isolated RS-485 bus between controllers with high stability and surge protection ⁵	√	√	-
Onboard communication port	Optional TCP/IP	TCP/IP	TCP/IP
Weatherproof enclosure with lockable hinged access door	√	√	√
Integrated power supply ⁶	4.5A	2.6A	5A
Battery backup	7Ah	7Ah	7Ah
Mains monitoring with a battery charging circuit and a low-voltage cut off	√	√	√
Rotary coded address switch for easy addressing	√	√	-
Diagnostic LEDs for easy testing	√	√	√

- 1. Additional expansion modules required
- 2. Expandable to 30 000 via SEB-700 TCP/IP module
- 3. Either isolated or networked topology
- 4. 2 inputs may be configured to Automatic Fire and Tamper Control
- 5. Maximum 16 controllers per device network (unlimited device networks)
- 6. Maximum controller output 3A

Proximity Readers

Saflec Systems Proximity Readers

Various kit combinations available - refer to Price List

SAFLEC readers cover the majority of proximity access control needs, with the Wiegand Reader SSR-202 connecting to Wiegand-compatible controllers

	Wiegand Reader SSR-202	Proximity Reader SSR-201	USB Take-on Reader SSR-221
High-bright, tri-colour LED	√	√	√
Audible buzzer with different sounds for allowing and denying access	√	√	-
Industry standard 125khz operational frequency	√	√	√
Reads Hitag1, Hitag 2, EM4102 card technologies	√	√	√
Rotary-coded address switch for easy addressing	√	√	-
Configurable bitmasking for limiting card number length from 16 to 40 bits	√	√	√
Wiegand standard connection	√	-	-
USB Connectivity	-	-	√



**COMPREHENSIVE
ACCESS CONTROL
SYSTEM**



SMARTGUARD

High-Security Keyless Access Control

Product Code: SK/1BLK_AU (SMARTGUARD), SK/AIRBLK_AU (SMARTGUARDair)

The CentSys SMARTGUARD range provides efficient, secure keyless access control by enabling users to store up to 1000 unique codes comprising one to ten digits in its non-volatile memory. A variety of electrical devices can be activated (including gate operators, alarm panels, water pumps, etc.) by making use of one or more of the outputs provided.

Models Available

- SMARTGUARD:** Multi-function, high-security, wired, keypad access control.
- SMARTGUARDair:** High-security, wireless, keypad access control.

Main Features

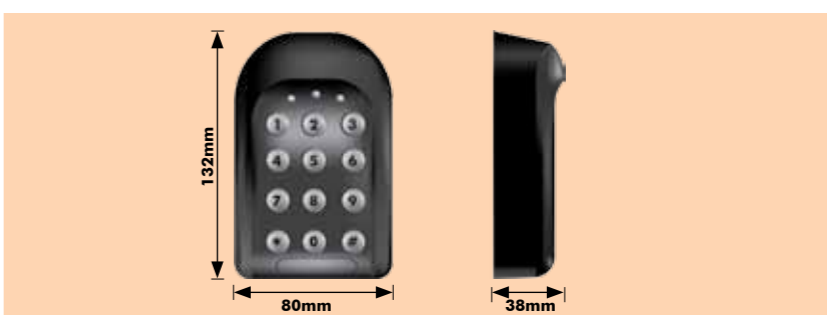
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|---|--|
| <p>SMARTGUARD</p> <ul style="list-style-type: none"> • SMARTGUARD for hard-wired installations – compatible with almost any access control device • 1000 unique codes using one to ten digits – for greater security and versatility in a multi-user application • Three channel output – activate up to three devices • Selectively add and delete user codes – convenient and secure management of the system • Backup Memory Module – guarantees data security • Limited Uses Counter – grant access to armed response, garden services, etc. - codes are automatically rendered invalid after pre-set number of uses | <p>SMARTGUARDair</p> <ul style="list-style-type: none"> • Wireless for quick and easy installations • 1000 unique codes using one to ten digits – for greater security and versatility in a multi-user application • 15 channel output – activate up to 15 compatible devices • Selectively add and delete user codes – convenient and secure management of the system • Backup Memory Module – guarantees data security • Limited Uses Counter – grant access to armed response, garden services, etc. - codes are automatically rendered invalid after use • Operates on two AA Alkaline batteries (included), or a separate 12V power supply • Up to two years of battery life with up to 300 uses per day • Wireless operating range of up to 30 metres (line of sight) • Compatible with CentSys' code-hopping receivers |
|---|--|

Technical Specifications

Technical Data	SMARTGUARD	SMARTGUARDair
Input voltage	12V - 24V AC/DC	2 x AA Alkaline batteries (included) or external 12V DC
Current	32mA (standby) – 180mA (max)	NA
Operating temperature	-20°C – +60°C	-18°C – +55°C
Operating range	NA	Up to 30m
Operating frequency	NA	433MHz
Outputs	3 (1 Relay output, 2 open collector outputs)	Up to 15 individual channels
Output pulse time range	1 – 255 sec (adjustable) or latched	NA
Memory	1000 user codes	1000 user codes
Dimensions	Width: 80mm x Depth: 38mm x Height: 132mm	
Housing material	Polycarbonate	
Degree of protection	IP55	



SMART GUARD™
SMART GUARD™
air



SMARTGUARD



SMARTGUARDair

SMARTGUARD and SMARTGUARDair Accessories

Memory Module

Product Code: **CP108** (SMARTGUARD), **PCA12201** (SMARTGUARDair), **PCA11667V1** (Lattice Controller)



Create a backup of all users and settings stored in your keypad's memory using this compact and useful memory module.

Anti-tamper Switch

Product Code: **CP19**



An optional independent tamper switch can be fitted to provide a contact indicating if the unit has been forced open, or removed from its mountings.

Anti-knock Shield

Product Code: **SK/AKS**



An anti-knock shield constructed from brushed Grade 304 stainless steel. Also available in mild steel.

SmartSwitch II

Product Code: **SMARTSW2V1**



An interface board that provides additional security. It will only respond to a coded signal from the SMARTGUARD keypad. This ensures that an unauthorised person can't operate the device by simply opening the keypad and shorting wires to trigger the device.

Relay Switch

Product Code: **CP106**



This optional controller interfaces with the open collector output of the SMARTGUARD hard-wired keypad to provide a potential-free contact (normally-open/normally-closed). It can be used to operate a door lock, gate operator, roller-shutter operator, traffic barrier, etc.

NOVA Single- and Multichannel Receivers

Various products available - refer to Price List



SMARTGUARDair interfaces with high-security NOVA code-hopping receivers.

Access Control Kits

SOLO Standalone System Kit

Product Code: **SOLO0001V1**

- 1 x SOLO reader – Surface- or Flush-Mount **1**
- Order tags as needed

Lattice Slave Kit

Product Code: **LATS0001V1**

- 1 x Lattice Slave Head – Surface- or Flush-Mount **2**

SAFLEC SDC-220 Door Controller Kit

Product Code: **SFSDC22000**

- 1 x Controller **5**
- 1 x Lockable enclosure **5**
- 1 x Power supply **5**
- 1 x Battery **5**

SAFLEC SDC-550 Door Controller Kit

Product Code: **SFSDC55000**

- 1 x Controller **5**
- 1 x Lockable enclosure **5**
- 1 x Power supply **5**
- 1 x Battery **5**

Lattice Controller Kit

Product Code: **LATC0003V1**

- 1 x Lattice controller – Surface- or Flush-Mount **2**
- Order tags as needed

Lattice Take-up Head Kit

Product Code: **LATTUH01V2**

- 1 x Lattice Take-up Head, USB-type **3**
- 1 x Software package

SAFLEC SDC-520 Door Controller Kit

Product Code: **SFSDC52000**

- 1 x Controller **5**
- 1 x Lockable enclosure **5**
- 1 x Power supply **5**
- 1 x Battery **5**

SMARTGUARDair kit

Product Code: **SK/AIR_R1B**

- 1 x SMARTGUARDair keypad **4**
- 2 x AA Alkaline batteries **B**
- 1 x Single-channel CentSys receiver **C**



1
SOLO Reader



2
Lattice Reader



3
Lattice Take-up Head



4
SMARTGUARDair Keypad



5
SAFLEC SDC-220
SAFLEC SDC-520
SAFLEC SDC-550



A
Access Tag



B
AA Alkaline Batteries



C
Single-channel Receiver



CENTSYS

www.CentSys.com.au

NETWORKED
PROXIMITY ACCESS
CONTROL SYSTEM

SAFLEC Software

Comprehensive Access Control System

Various kit combinations available - refer to Price List

SAFLEC software is available in three different levels to suit the needs of any installation, no matter how large and sophisticated, or small and simple.

The Corporate Edition is the most comprehensive package, followed closely by the Professional Edition.

The Standard Edition, included free with the purchase of a SDC-550 Multiple Door Controller, is a good solution for smaller installations where the full functionality of the SAFLEC system is not required.

Main Features

- Easy, user-friendly installation and administration
- Anti-passback, Timed Anti-passback and Zone Control for greater security
- Flexible Time & Accumulation exporting
- Site-based configuration and hardware filtering
- Graphical event and alert monitoring and control
- PC-based actions for controlling third party devices such as CCTV, intrusion and fire systems
- Tag-holder sequencing tasks (enforcing Time & Attendance clockings)
- Quick search filters, low bandwidth setting and on-the-fly configuration
- Random search and tag-holder counters for scripting
- Software plug-in for PC-based overrides or custom extensions

	Corporate Edition SSS-110 Product Code: SFSSS11000	Professional Edition SSS-130 Product Code: SFSSS13000	Standard Edition SSS-100 Product Code: SFSSS10000
Flexible Time & Accumulation exporting	√	√	√
Extremely flexible event-based action mode on controllers	Across all	Local only	Local only
Multiple companies and departments	√	√	√
Mantrap (Booth) and turnstile operation supported	√	√	√
16 powerful schedules per controller	√	√	√
32 public holidays integrated into schedules	√	√	√
Maximum number of doors supported	Unlimited	Unlimited	8 doors
Timed Anti-passback, Anti-passback and Zone Control	√	√	√
Card capture/drop-box function available	√	√	√
Biometric reader integration	√	√	√
Supports Personal Assistant Software SSS-120	√	√	√
Supports Remote Client Software SSS-101	√	√	-
64 event controlled Counters or Timers per Controller	√	-	-
Configurable extra data fields with automatic lists, dropdown lists, photographs or notes fields	√	-	-
Tag-holder sequencing tasks (enforcing Time & Attendance clockings)	√	-	-
Site-based configuration and hardware filtering	√	-	-
Site-based configuration and hardware filtering	√	-	-
Graphical event and alert monitoring and control	√	-	-
PC-based actions for controlling third party devices	√	-	-
Quick search filters, low bandwidth setting and on-the-fly configuration	√	-	-
Random search and tag holder counters for scripting	√	-	-

1. Personal Assistant Software SSS-120 is a visitor management, data capture solution which is ideal for picture capturing, card design and biometric reader take-on. Includes card printer capability - supports Windows drivers
2. Remote Client Software SSS-101 provides additional administrators full use of the master software from remote computer terminals



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SAFLEC Expansion Boards

Comprehensive Access Control System

Various kit combinations available - refer to Price List

Expansion boards offer a seemingly never-ending list of additional functionality to the SAFLEC system. From adding additional inputs and outputs and increasing memory to converting the interface protocol, virtually all potential user requirements are catered for.

SEB 720 Remote I/O Expansion Board

Product Code: SFSEB72000

- 2 x Outputs (potential-free/powered)
- 4 x Digital inputs
- Support for 1 x Wiegand device or 4 x RS-485 readers
- Connects to SDC-550 and SDC-520 on reader network

SEB-722 Remote I/O Expansion Board

Product Code: SFSEB72200

- 2 x Outputs (potential-free/powered)
- 4 x Digital/analogue inputs
- Support for 2 x Wiegand devices or 4 x RS-485 readers
- Connects to SDC-550 and SDC-520 on reader network
- Lockable enclosure
- Power supply
- Battery

SEB 721 Remote I/O Expansion Board with Onboard Receiver

Product Code: SFSEB72100

- 4 x receiver channels; each receiver can control up to four buttons
- Each transmitter will have a unique number that will be linked as a card holder
- Connects to SDC-550 and SDC-520 on reader network

SEB 700 TCP/IP & Memory Expansion Board for SDC-550

Product Code: SFSEB70000

- Increase tag holder capacity to 30 000
- Provides native TCP/IP connectivity
- Connects to Expansion Head on SDC-550.

SSI-301-W Wiegand to RS-485 Converter Board

Product Code: SFSSI300WO

- Converts Wiegand data into the RS-485 used by the SDC-550 Multiple Door Controller, the SDC-520 Ethernet Controller and the SEB-720 remote I/O board
- Small, space-saving board for unobtrusive installation behind a device, or within the controller cabinet
- In-circuit programming for easy product updates
- Rotary-coded address switch for easy addressing
- Requires 12V DC power source

SEB710 I/O Expansion Board

Product Code: SFSEB71000

- Extends the I/O capabilities of the SDC-550 Multiple Door Controller
- 8 x Relay outputs (configure as either powered or potential-free contacts)
- 8 x Programmable digital inputs
- 8 x Multi-purpose I/O points (set as either inputs or outputs)



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