

**ACCESS CONTROL SYSTEM**



**Ultimate access  
control solutions  
for your security  
needs...**





## **Ultimate access control solutions.**

What do you want from your access control system? Is it reliability? Advanced functionality? Flexibility? Or is it the peace of mind of knowing that, whatever security needs may arise in the future, it can be effortlessly catered for? **Saflec Systems'** range of access control solutions allows you to design your own security infrastructure and scale it according to your unique requirements. In addition, the system's controller-based logic means that if your IT infrastructure fails, it will still be able to make intelligent access control-based decisions.



## Proximity Readers

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Two proximity readers are available to cater for a wide variety of installation requirements. Both readers feature a sleek design and can read various transponder cards at the industry standard frequency of 125kHz, including Hitag1, Hitag2 and EM4102. It includes a tri-colour LED for indication of the scanner status, and an Audio buzzer to indicate a successful card read.

The reader is housed in a robust ABS plastic enclosure, incorporating a clip-and-screw closing mechanism for a wholly unobtrusive installation.

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	<b>Wiegand Reader SSR-202</b>	<b>Proximity Reader SSR-201</b>
High-bright, tri-colour LED	Yes	Yes
Audible buzzer with different sounds for allowing and denying access	Yes	Yes
Industry standard 125kHz operational frequency	Yes	Yes
Reads Hitag1, Hitag2, EM4102 card technologies	Yes	Yes
Rotary coded address switch for easy addressing	Yes	Yes
Configurable bitmasking for limiting card number length from 16 to 40 bits	Yes	Yes
Wiegand standard connection	Yes	-



## Multiple Door Controllers

Multiple Door Controllers are the brains of the access control system with one controller being able to control multiple doors. 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.

	<b>Two-door Controller SDC-220<sup>1</sup></b>	<b>Multiple door controller SDC-550</b>	<b>Multiple door controller SDC-520</b>
Maximum door capacity	2	8 <sup>1</sup>	8 <sup>1</sup>
Tag holder capacity	1 000	3 200 <sup>2</sup>	30 000
Robust isolated RS-485 reader connection	4	16	16
Relay outputs - can be potential-free or powered	2	5	2
Digital inputs <sup>3</sup>	4	8	4
Wiegand interface connections	2	-	2
Offline operation; full intelligence at each controller	Yes	Yes	Yes
Controller offline transaction buffer capacity	100 000	6 000	40 000
Robust isolated RS-485 bus between controllers with high stability and surge protection <sup>4</sup>	No	Yes	Yes
Onboard communication port	TCP/IP	Optional TCP/IP	TCP/IP
Weatherproof enclosure with lockable hinged access door	Yes	Yes	Yes
Integrated power supply <sup>5</sup>	5A	5A	5A
Battery backup	7Ah	7Ah	7Ah
Mains monitoring with a battery charging circuit and a low-voltage cut off	Yes	Yes	Yes
Rotary-coded address switch for easy addressing	No	Yes	Yes
Diagnostic LEDs for easy testing	Yes	Yes	Yes

1. Additional expansion modules required

2. Expandable to 30 000 via SEB-700 TCP/IP module

3. Two inputs may be configured to Automatic Fire and Tamper Control

4. Maximum 16 controllers per device network (unlimited device networks)

5. Maximum controller output 3A



## TCP/IP Expansion Boards

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

	Remote I/O Board SEB-722	Remote I/O Board SEB-721	Remote I/O Board SEB-720	I/O Expansion Board SEB-710	TCP/IP Expansion Board SEB-700
Two relay outputs (either powered or potential-free contacts)	Yes	Yes	Yes	-	-
Wiegand reader input	2	-	1	-	-
RS-485 connection for Proximity Readers	4	4 <sup>1</sup>	4	-	-
Extends the I/O capabilities of the Multiple Door Controller	Yes	Yes	Yes	Yes	-
Outputs (maximum)	2	2	2	16 <sup>3</sup>	-
Programmable digital inputs	4	4	4	16 <sup>3</sup>	-
Transmitter can be uniquely linked to an individual user	-	Yes	-	-	-
Number of units connected per door controller	16	16	16	1	-
Communication with controller	RS-485 <sup>4</sup>	RS-485 <sup>4</sup>	RS-485 <sup>4</sup>	Expansion header	Expansion header
Provides native TCP/IP connectivity to SDC-550 Multiple Door Controllers	-	-	-	-	Yes <sup>2</sup>
Increases controller memory to allow 30 000 tag holders	-	-	-	-	Yes
Can be set up to use DHCP	-	-	-	-	Yes
Can be automatically detected on a network that does not block broadcast messages	-	-	-	-	Yes
Firmware can be transferred using FTP for easy product updates	-	-	-	-	Yes

1. One to four button CENTURION transmitter controlled by onboard RF receiver
2. A static IP address is recommended as the memory capabilities are not available until the DHCP server assigns the board an IP address
3. SDC-550 only
4. Connects via RS-485 reader network on Multiple Door Controller



## Software

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

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The Corporate Edition is the most comprehensive package followed by the Professional Edition. These Editions allow for the integration of Personnel Assistant software, designed to function as an end-user interface for the administration of user tags, adjusting permissions and other simple day-to-day management of the system. In addition, they also allow for Remote Client software which provides additional administrators full use of the master software from remote computer terminals.

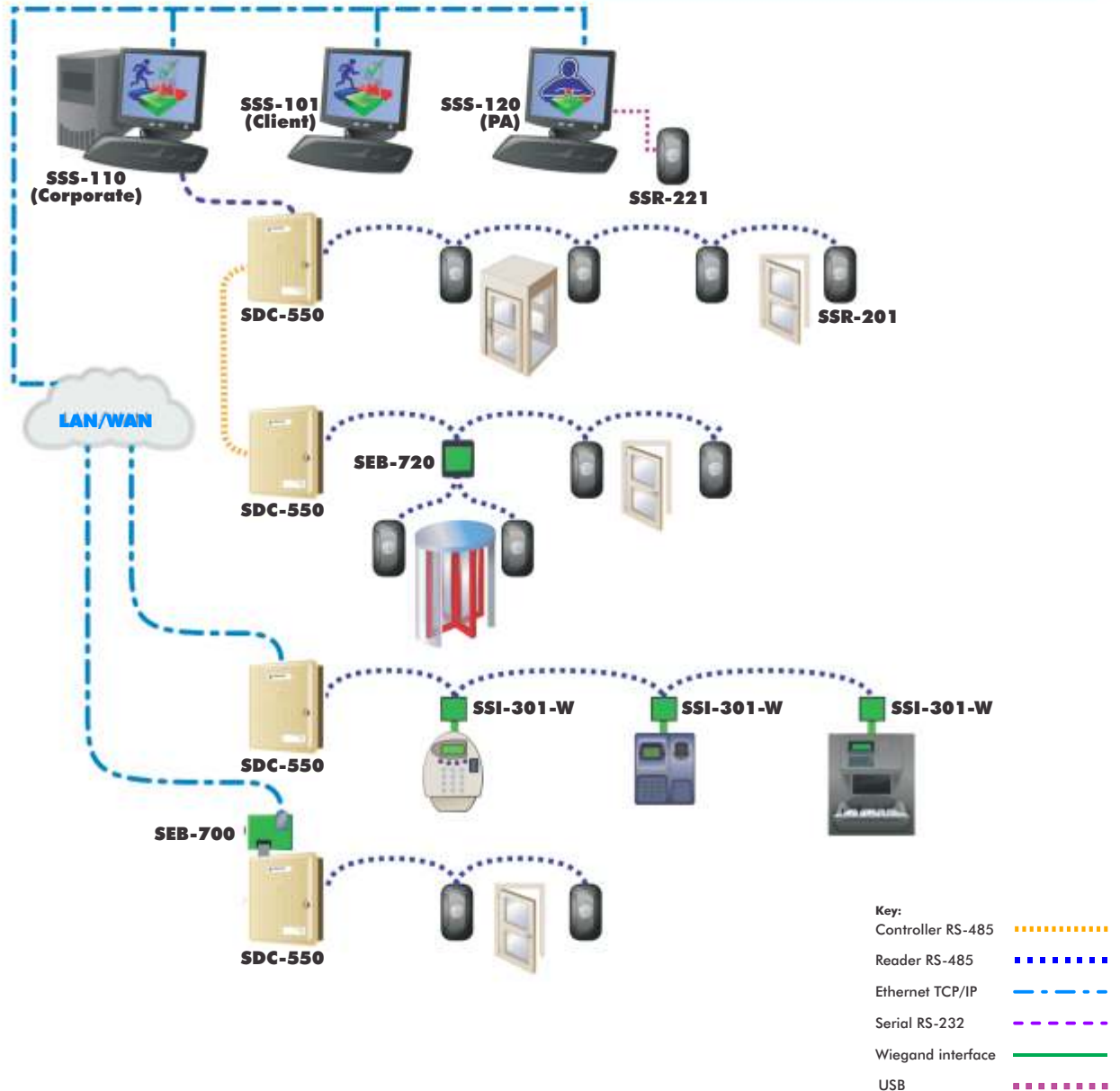
The Standard Edition is a good solution for smaller installation where the full functionality of the system is not required.

### **Main Features**

- Easy, user-friendly installation and administration
- Anti-passback, timed Anti-passback and zone control
- Flexible Time and Accumulation exporting
- Site-based configuration and hardware filtering<sup>1</sup>
- Graphical event and alert monitoring and control<sup>1</sup>
- PC-based actions for controlling third party devices such as CCTV, intrusion and fire systems<sup>1</sup>
- Tag-holder sequencing tasks (enforcing Time & Attendance clockings)
- Quick search filters, low bandwidth setting and on-the-fly configuration<sup>1</sup>
- Random search and tag holder counters for scripting

1. Corporate Edition only

## Example of a Typical System Configuration



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## Powerful Hardware Needs Great Software

	<b>Corporate Edition SSS-110</b>	<b>Professional Edition SSS-130</b>	<b>Standard Edition SSS-100</b>
Flexible Time & Accumulation exporting	Yes	Yes	Yes
Extremely flexible event-based action mode on controllers	Across all	Local only	Local only
Multiple companies and departments	Yes	Yes	Yes
Mantrap (Booth) and turnstile operation supported	Yes	Yes	Yes
16 powerful schedules per controller	Yes	Yes	Yes
32 public holidays integrated into schedules	Yes	Yes	Yes
Maximum number of doors supported	Unlimited	12 doors	8 doors
Timed Anti-passback, Anti-passback and Zone Control	Yes	Yes	Yes
Card capture/drop-box function available	Yes	Yes	Yes
Biometric reader integration	Yes	Yes	-
Supports Personal Assistant Software SSS-120 <sup>1</sup>	Yes	Yes	-
Supports Remote Client Software SSS-101 <sup>2</sup>	Yes	Yes	-
64 event controlled counters or timers per controller	Yes	-	-
Configurable extra data fields with automatic lists, dropdown lists, photographs or notes fields	Yes	-	-
Tag-holder sequencing tasks (enforcing Time & Attendance clockings)	Yes	-	-
Site-based configuration and hardware filtering	Yes	-	-
Graphical event and alert monitoring and control	Yes	-	-
PC-based actions for controlling third party devices	Yes	-	-
Quick search filters, low bandwidth setting and on-the-fly configuration	Yes	-	-
Random search and tag holder counters for scripting	Yes	-	-

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



## Ancillary Items

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

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Allows integration of third party Wiegand devices, such as biometric readers.



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### USB Take-on Reader SSR-221

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