



CENTURION
THE AUTOMATIC CHOICE

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Saflec Systems



***Flexible solutions
for your security
needs...***



VIRDI

AC 2500 RF BIOMETRIC READER

The **Virdi AC 2500 RF** is a practical and affordable fingerprint authentication reader with fake fingerprint detection technology.

Main features

- 500 user fingerprint template capacity
- Patented Virdi Fake Fingerprint Detection – can detect fingerprints made from paper, silicon, wax, etc
- IPX3 Rating – IPX is an international water-proofing standard. It can be installed in virtually any location
- High-performance processor
- Can operate in a stand-alone mode or on a TCP/IP network, RS-232, RS-485, Wiegand
- Built-in Smartcard/RF card module for added security or to facilitate 1:1 searches
- Auto-sensing – saving energy and reducing battery usage during power failures





VIRDI

AC 4000 RF BIOMETRIC READER

The **Virdi AC 4000 RF** system is award-winning Fingerprint, PIN and RF/SC cards authentication.

New-generation technology, convenience, and design with LCD, LED, and motion sensor technology.

Main features

- 22,000 user fingerprint template capacity
- Patented Virdi Fake Fingerprint Detection – can detect fingerprints made from paper, silicon, wax, etc
- Fast authentication speed (1:1 <0.5sec; 1:N [1000] <1sec)
- Can operate in a stand-alone mode or on a TCP/IP network, RS-232, RS-485, Wiegand
- Interphone integration for Visitor Control
- Access Control, Time & Attendance and Meal Control





VIRDI

AC 5000 RF BIOMETRIC READER

The **Virdi AC 5000 RF Fingerprint Reader** incorporates state of the art design, elegant looks and a robust IP65 rated housing, designed to withstand any weather conditions.

It has a customizable colour LCD screen, with an LED touch keypad (i.e. no plastic/rubber buttons which can wear out)

Main features

- IP65 rated Outdoor Fingerprint Reader
- 20 000 Fingerprint template storage capacity
- Patented Virdi Fake Fingerprint Detection – can detect fingerprints made from paper, silicon, wax etc
- High-performance processor/CPU
- Can operate in a stand-alone mode or on a TCP/IP network, RS-232, RS-485, Wiegand
- Built-in Smartcard/RF card module for added security or to facilitate 1:1 searches
- Auto-sensing – saving energy and reducing battery usage during power failures





VIRDI

FOH02 RF TAKE-ON READER

Virdi Take-on reader FOH02 RF - Award-winning USB Fingerprint Reader with Live & Fake Fingerprint Detection Technology incorporating an RFID Reader.

Main features

- 125KHz Proximity Card and Fingerprint Enrollment Support
- Detecting fake fingerprint materials such as paper, file, silicon, rubber, etc
- It is convenient to use as it does not require users to carry special tools for verification.
- It is a high-tech fingerprint recognition system that uses fingerprints that have no risk of replication or unauthorized use
- Uses 500DPI high-capacity fingerprint recognition sensors for fast and accurate verification.
- Insert into PC's USB terminal for easy recognition and installation





SOFTWARE

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 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, included free with the purchase of a SDC-550 Multiple Door Controller, is a good solution for smaller installation 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
- Flexible Time and 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

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	Corporate Edition SSS-110	Corporate Edition SSS-130	Corporate Edition SSS-100
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	Yes	Yes	Yes
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	Yes
Supports Personal Assistant Software SSS-120★	Yes	Yes	Yes
Supports Remote Client Software SSS-101†	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	-	-
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	-	-

★ 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
 † Remote Client Software SSS-101 provides additional administrators full use of the master software from remote computer terminals



PROXIMITY READERS

Various proximity card readers are available to cater for the needs of almost any installation. These include readers that have integrated LCD displays providing the exact time and date when a tag is presented. This is a legal requirement when upgrading the system to incorporate Time & Accumulation functionality into the access control system. The LCD can also be programmed to display other messages. The SSR-251-DKP reader also incorporates a keypad which allows for double verification and reduces the opportunity for users to “buddy clock” in a work environment.

	Display and Keypad Reader SSR-251-DKP	Display Reader SSR-250-D	Wiegand Reader SSR-202	Proximity Reader SSR-201
High-bright, tri-colour LED	Yes	Yes	Yes	Yes
Audible buzzer with different sounds for allowing and denying access	Yes	Yes	Yes	Yes
Industry standard 125khz operational frequency	Yes	Yes	Yes	Yes
Reads Hitag1, Hitag2, EM4102 card technologies	Yes	Yes	Yes	Yes
In-circuit programming for easy product updates	Yes	Yes	Yes	Yes
Rotary coded address switch for easy addressing	Yes	Yes	Yes	Yes
Configurable bitmasking for limiting card number length from 16 to 40 bits	Yes	Yes	Yes	Yes
Connects using RS-485 to any SAFLEC network controller	Yes			
Keypad for double verification	Yes	-	-	-
LCD screen with 16 character two line displays	Yes	Yes	-	-
Wiegand standard connection	-	-	Yes	-



MULTIPLE DOOR CONTROLLERS

The heart of the access control system, 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 3200 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	Multiple door controller SDC-521
Maximum door capacity	8❖	8❖	8❖
Tag holder capacity	3200* ¹	30 000	30 000
Robust isolated RS-485 reader connection	16	16	16
Relay outputs - can be potential-free or powered	5	2	2
Digital inputs❖	8	4	4
Wiegand interface connections	-	2	2
Offline operation; full intelligence at each controller	Yes	Yes	Yes
Controller offline transaction buffer capacity	6000	6000	6000
Robust isolated RS-485 bus between controllers with high stability and surge protection❖	Yes	Yes	Yes
Onboard communication port	Optional TCP/IP	TCP/IP	USB
Weatherproof enclosure with lockable hinged access door	Yes	Yes	Yes
Integrated power supply❖	4.5A	2.6A	2.6A
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	Yes	Yes	Yes
Diagnostic LEDs for easy testing	Yes	Yes	Yes

❖ Additional expansion modules required

* Expandable to 30,000 via SEB-700 TCP/IP module

❖ Two inputs may be configured to Automatic Fire and Tamper Control

❖ Maximum 16 controllers per device network (unlimited device networks)

❖ Maximum controller output 3A



TCP/IP EXPANSION BOARDS

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.

	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 [⚙]	4	-	-
Extends the I/O capabilities of the Multiple Door Controller	Yes	Yes	Yes	Yes [☆]	-
Outputs (maximum)	2	2	2	16 [⚡]	-
Programmable digital inputs	4	4	4	16 [⚡]	-
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 [*]	RS-485 [*]	RS-485 [*]	Expansion header	Expansion header
Provides native TCP/IP connectivity to SDC-550 Multiple Door Controllers	-	-	-	-	Yes
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

⚙ One to four button CENTURION transmitter controlled by onboard RF receiver

☆ A static IP address is recommended as the memory capabilities are not available until the DHCP server assigns the board an IP address

⚡ SDC-550 only

⚡ Eight dedicated outputs and eight dedicated inputs, plus additional eight that can be configured to either inputs or outputs

* Connects via RS-485 reader network on Multiple Door Controller

ANCILLARY ITEMS

Wiegand to RS-485 convertor SSI-301-W

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



USB Take-on reader SSR-221



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