

# BIOsafe

Safe with embedded Biometric Access Control



## Multi layer Security Safe with embedded Biometric Access Control

### KEY BENEFITS

- **Multi Layer Security for the Safe (Key A + Key B + 2 Fingerprints):-** The Safe with inbuilt biometric finger print Controller as well as two conventional Locks (Lock A & Lock B) & Keys. To open the safe, first the two locks are to be opened with their keys, A & B. Thereafter two authorized users have to place their fingers on the Reader one after the other. Only then does the door open.
- **Dual Authentication:-** BIOsafe works in the Dual Authentication Mode. It opens the doors only when two authorized officials place their fingers one after the other, thus increasing the level of authentication.
- **Door Left Unlocked Alarm:-** BIOsafe gives an immediate alert/beep if either Lock A or Lock B is not closed. It eliminates the possibility of the door being left unlocked ie the first layer of security not being in place.
- **Duress Alerts:-** If an unauthorized person forces an authorized person to open the SAFE at gun point, the latter can place one of his other fingers, designated as a duress finger, which will open the door but at the same time send a silent alarm through the GSM Dialer to Admin/Security personal for emergency response.
- **Power fail and Battery Low Alerts:-** An Alert is sent by SMS through the GSM Dialer to admin for power management/arrangement in the Battery Low situations to ensure continuity.
- **Stores Logs For Security Audits:-** Device Stores all the transaction logs for future Security Audits.

Many highly prestigious organizations from many sectors such as Banking, Pharma, IT, Mega Retail, Government etc. have been using various Access Control, Time and Attendance and Security related systems of **smart-i** in many of their establishments all over India, for many years.

## Other Benefits

### Suprema Sensor - Accuracy in Fingerprint Verification:

- The Suprema Sensor ranks among the best in the world for its accuracy in verification, validated by FVC award-winning algorithm.

### Live Finger Detection Technology:-

smart-i devices equipped with Hybrid Live Finger Detection technology which clearly identify Live fingerprint & Fake fingerprint and restrict all fake fingerprint users.

### Suprema Sensor for Auto Fingerprint Update:-

smart-i device automatically recognizes the minor natural changes in the fingerprint over a period of time and automatically updates them for future reference.

### Vandal proof Keypad:-

Vandal proof Keypad to prevent from any intention to damage the system.

### Alerts by SMS/Email -

GSM Dialer Management through the biometric device to send SMS in any Critical Event. Email can be sent through smart-i Software in case of any alerts

### Onboard TCP/IP with Online Firmware up gradation facility:-

The versatile Interface makes the device technically very strong & user friendly. It gives tremendous freedom to use the infrastructure, either existing or planned. The Device has an inbuilt capability for an online up gradation of the firmware.

### Added Security for access to the Devices:-

Configurable card/finger verification has been provided for extra security, in addition to the usual login id and password, to access the Controller device.

## Technical Specifications

Particulars	Specifications
<b>Model No</b>	<b>SBL30 - AC- BIOsafe</b>
<b>Applications</b>	Access Control for SAFE
<b>Technical Specification</b>	
<b>CPU</b>	32 Bit RISC ARM Processor
<b>Memory</b>	Upto 8 MB Flash
<b>No. Template</b>	Upto 1900 (1:N)
<b>Sensor</b>	High Quality Scratch Resistance Optical Sensor
<b>Finger Score</b>	Display finger quality score at the time of registration
<b>Communications Port</b>	TCP/IP
<b>LCD</b>	16 * 2 Alphanumeric
<b>Keypad</b>	4 x 3 Numeric Keypad
<b>LED</b>	Bi-Color LED Bar
<b>Sound</b>	Various sound indication
<b>Power Supply</b>	12V DC/ 2A with Battery Charging Facility
<b>Sensor Specification</b>	
<b>Type</b>	Optical
<b>Image Resolution</b>	500 dpi
<b>Enrollment Time</b>	<1 sec
<b>Verification Time</b>	<1 sec
<b>Authentication/Identification</b>	1:1 & 1:N (User Groups facility for faster verification)
<b>Identification Time (1:1000)</b>	1 sec
<b>Template Size</b>	384 bytes
<b>EER / FAR / FRR</b>	<0.1% / 0.001% / 0.1%
<b>Image Size (pixels)</b>	272 x 320
<b>Sensing Area (mm)</b>	16 x 19
<b>Ordering Information</b>	
<b>Model No</b>	SBL30 - AC- BIOsafe
<b>Software</b>	smartENGINE

## Software



Alarm Management Software

\*\*Optional

\*Specifications are subject to change without any prior notice