

BIOsingle NG

The Faster Biometric + Card Reader, with 32 Bit Processor



BIOsingle NG, the Biometric + Card Reader from smart-i, is very fast and efficient in all processing and communication functions, faster than any other Biometric + Card reader in its category, making it an ideal option for any organization with a fairly large or very large number of employees.

KEY BENEFITS

- **The Processor:-** Its 32 bit processor makes BIOsingle NG a much faster and more efficient biometric reader in all its functions than any other in its category and, along with the following advantages, much more cost effective too.
- **On board TCP/IP:** - TCP/IP communication used for uploading/downloading Fingerprint templates from device with the Template management Software. It's also useful for easier fingerprint template multicast distribution.
- **Tamper Detection:-** It detects tampering, if any, and sends an alert to Access Control panel for suitable response.
- **Accuracy in Finger Verification:-** The Suprema Sensor employed in BIOsingle NG ranks among the best in the world for accuracy in verification, validated by FVC award-winning algorithm.
- **Auto Fingerprint Update:-** It also automatically recognizes any minor natural changes in the fingerprint over a period of time and automatically updates them for future reference.

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.

Key Highlights

Support Standard Wiegand Communication:- Compatible with any standard Access Control Panel on standard wiegand communication

Elegant Look: - An aesthetic and elegant design with compact size is a value addition to the interior of the premises.

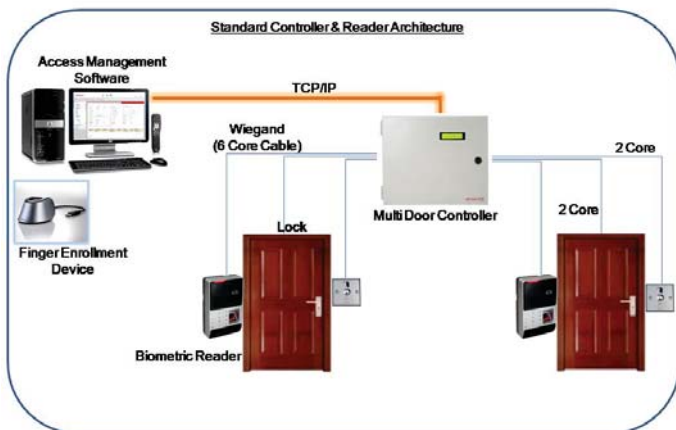
Tricolor LED & Buzzer: - Device has tricolor LED & Buzzer for better user interaction about user authentication

Easy Remote Online Firmware Upgradation: - Device has inbuilt capability for online firmware up gradation.

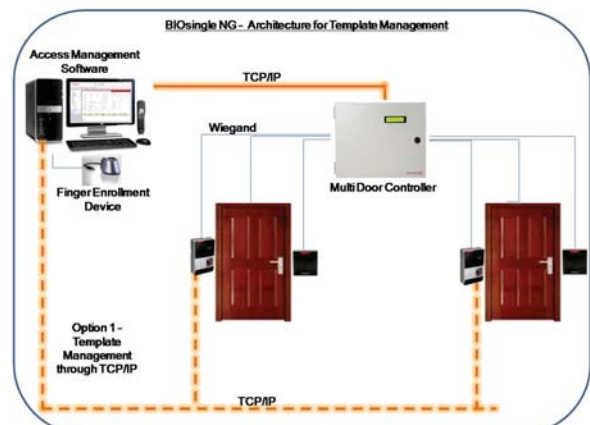
Technical Specification

Particulars	Specifications		
Model No	SBSNG1950 Series		
Applications	Access Control System		
Technical Specifications			
CPU	32 Bit RISC ARM Processor		
Memory	Upto 8 MB Flash		
No. Template	19000 (1:N) / (1:1)		
Operation Modes	Finger only & Card+ Finger		
Sensor	High Quality Scratch Resistance Optical Sensor		
Card Reader Options (Extra Module)	Mifare®, HID (I Class), HID Prox, EM cards		
Communications Port	TCP/IP, Weigand, RS485		
Baud Rate	9600bps (Default)		
LED	Tricolor LED Bar		
Power Supply	12 V DC/ 2A (Min)		
Enclosure	ABS Plastic		
Color / Weight	Silver & Black		
Dimension(mm)	167 (H) x 105 (W) x 45 (D)		
Mounting	Wall Mounting		
Temperature	0°C to 50°C		
Humidity	20% to 90%		
Sensor Specifications			
Type	Optical		
Image Resolution	500 dpi		
Enrollment Time	<1 sec		
Verification Time	<1 sec		
Authentication/Identification	1:1 & 1:N (User Groups facility for faster verification)		
Identification Time (1:1000)	1 sec		
Template Size	384 bytes		
EER	<0.1%		
FAR	0.001%		
FRR	0.1%		
Image Size (pixels)	272 x 320		
Sensing Area (mm)	16 x 19		
Ordering Information			
Model No	No of Template	Type	Inbuilt Card Reader
SBSNG1950	Upto 19000 (1:N) / (1:1)	Only Finger	P - EM Proximity S - Mifare HI - HID iCLASS HP - HID Proximity
SBSNG1950-P/S/HI/HP			

Application Diagram – Access Control System (As a Reader)



BIOsingle NG Template Management Diagram



* smart-i Policy is one of constant improvement. We reserve the rights to alter specifications without any prior notice.