

BIOsmart NG

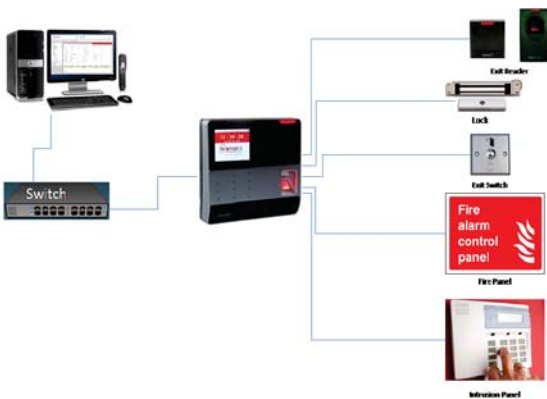
Next Generation Biometric & Card based Terminal



INDIA DESIGN MARK
GOOD DESIGN
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The new **BIOsmart NG** blends loads of innovative features to streamline installation and administration for small, medium or, large business enterprises for standalone door access control deployment. **BIOsmart NG** brings high speed, accuracy, flexibility and user friendly interactivity. It provides aesthetic GUI on easy-to-use touch screen LCD with touch sense keypad.

Application Diagram - Access Control System



Application Diagram - Time Attendance System



Key Highlights

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.

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.

Cost Effective Multi-Location Application - Through Dynamic IP: - Ideal for single or multi-location application. The only requirement at each location is an internet connection. Static IP is required only at the central control location. It saves the need to make multiple investments in Static IP at multiple locations such as the innumerable branch locations.

SD Memory Card: - Keeps automatic backups of user's data, transactions and device configuration within the device itself on the SD Memory Card. It ensures that the critical data of the device is secure.

Modular Reader for Card Upgradation: - It gives the freedom to the users to upgrade their card reader technology without replacing the complete device.

POE for Minimum Cabling: - Power on Ethernet - where there is no need to have a separate power connection.

Versatile Interfaces (TCP/IP, POE, Wiegand, RS485, Relay):** - The versatile Interface makes the devices technically very strong & user friendly. It gives the freedom to the end-user to use their existing infrastructure and go in for expansion in the future.

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.

Data Security: - The IP address of the authorized computer is mapped with that of the Controller, making the downloading of the data even more secure.

Enhanced Security Features: - Anti pass back, facility/establishment code, Time zone, Duress Alert for enhanced security.

Event Alert based network protocol: - The protocol implemented for value added features i.e. CCTV Integration to verify/identify Tailgating, for security audit.

Voice Indication: - Device has inbuilt provision for prerecorded audio instructions for every transaction.

Remote and easy Online Up-gradation of the Firmware: - The Device has an inbuilt capability for an online up gradation of the firmware.

Elegant Look: - The aesthetic and elegant design with 3.5" color graphical TFT is a value addition to the interior of the premises.

Technical Specification

Particulars	Specifications			
Model No	SBNG1930 Series			
Applications	Access Control System & Time Attendance			
Technical Specifications				
CPU	32 Bit RISC ARM Processor			
Memory	4GB SD and 8 MB Flash			
Events/Transactions	Upto 1,00,000			
Users	Upto 19,000			
No. Template	19000 (1:N/1:1) {Expandable upto 3 Lakhs in 1:1}			
Operation Modes	Card Only; UID + Finger; Card + Finger; Finger Only; UID only (On Wiegand Card only, Finger only & Card + Finger)			
Sensor	High Quality Scratch Resistance Optical Sensor			
Finger Score	Display finger quality score at the time of finger registration			
Card Reader Options (Extra Module)	Mifare ; HID (I Class), HID Prox, EM Cards			
Communications Port	TCP/IP, POE**, Wiegand, RS485			
Baud Rate	9600bps (Default)			
Controller ID	Up to 10,000			
Display	3.5" TFT Touch Screen LCD			
Keypad	Capacitive Touch Sense Keypad			
LED	Bicolor LED Bar			
Language	English			
Sound	Various sound indication messages (English)			
Power Supply	12 V DC/ 2A (Min) , POE (Optional, only for T&A App.)			
Enclosure	ABS Plastic			
Color / Weight	Silver & Black			
Dimension(mm)	200 x 170 x 42			
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 / FAR / FRR	<0.1% / 0.001% / 0.1%			
Image Size (pixels)	272 x 320			
Sensing Area (mm)	16 x 19			
Access Control Feature				
Facility Code	Available			
Time Zone / Access Levels	63 + 1 (Free Time Zone) / Unlimited			
Time Zone Slots	4 slots per Day			
Anti-Passback	Hard, Soft, Escort (Reader Wise)			
Holiday Settings	42			
Ordering Information				
Model Nos	Application	No of Template	Type	Inbuilt Card Reader
SBNG1930	Access & Attendance	Upto 19000	Finger (Only)	P - EM Proximity
SBNG1930-POE			Finger + Card	S - MiFare
SBNG1930-P/S/Hi/HP				HI - HID iCLASS
Software	Application	Architecture		
SSA30-AS-Series	Access (Only)	Desktop based Software		
SSTA30-AS-Series	Attendance (Only)	Desktop based Software		
SCMD Pack Series	Access + Attendance	Web Based Software		

Optional for Projects ** Separate model number

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

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