BIOsmart

BIOsmart is an elegant and compact Access and Time Attendance system. It can run on standalone as well as network mode.

Key Features

- Stores from 1500 to 10,000 Cards & from 6000 to 30,000 Event buffers
- Real time auto update of Finger Templates to monitor changes in the fingerprint.
- HID Compatible (HID Prox 125 KHz and HID iCLASS 13.56Mhz smart card Technology),
- High Protection from Scratch and ESD (Electro Static Discharge)
- High Quality Optical Sensor with Industry's fastest 1:1 and 1:N matching speed
  (Award winning Fingerprint algorithm, 2004 & 2006)
- Easy template distribution for network applications
- LCD for Time & Attendance Display along with user defined LCD Messaging
- Configurable card or fingerprint verification for logging in to the device for extra security
- Email sending facility through Controller in offline mode in case of critical events like Unauthorized access, fire etc
- Data can be Downloaded on the software by mapping the IP address of the controller making it more secure
- Duress finger implementation for enhanced security.
- Configurable Operating Modes – Modes: Card/UID only, (Card / UID) + Finger, (Card / UID) +Finger + PIN, Card / (UID + Finger) + PIN, Finger Only
- Configurable modes of sensor: 1:1; 1:N & auto-identification

Sensor Module

Specifications	OPTICAL
CPU	400 MHZ DSP
Resolution (dpi)	500+
Image Size (pixels)	280 X 320
Sensing Area (mm)	16.0 X 19.0
Authentication / Identification	1:1& 1:N (User Groups facility for faster verification)
Template Size	384 bytes
Template Upload/Download from PC	YES
Enrollment Time	2 sec
Verification Time	1 sec
Identification Time	< 1 sec
FAR	0.001%
FRR	0.1%

application areas

- Time Attendance System
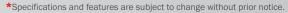- Physical Access Control

Benefits:

- Flexible operating modes
- Highest Security Level
- Industry leading fingerprint identification speed.
- Supports Proximity / Smart card / HID readers
- Suitable for Time Attendance as well as Access Control applications
- Adjustable FFR / FAR as per Customer Needs

Software Features:

- User-friendly software GUI.
- Advanced Shift Management and Attendance Features.
- Access Control Configuration (Doors, Time Zones, Door Open Time, DOTL etc.)
- Cater to the needs from Small offices & Single location to Multi-Company, Multi-location & Multi-Divisions.
- Payroll Interface for any payroll package.
- Various versions: smartSOFT™ Professional Plus/Advance/ Enterprise. (visit www.smartisystems.com for more details)

Specifications	Entry Level	Advance Level	
	SBX12 Series	BIOsmart (SBN130 Series)	BIOsmart (SBN930 Series)
System Features			
Memory	128 KB	512 KB Flash	
Event Buffers	6,000	30,000	
Number of Templates	950	1900	9500
Cards Buffer	1500	10,000	
Read Range	UPT0 10cms	UPT0 10cms	
Operation Modes	(Card/UID) + Finger, Card + Finger + PIN, Finger + PIN, Finger only	Card/UID only, (Card/UID) + Finger, (Card/UID) + Finger + PIN, Card/(UID + Finger) + PIN, Finger Only	
Scanner (Sensor)	High Quality Optical Sensor		
Template Size	384 Bytes		
In-built Reader (Optional)	HID (125 KHz) HID iCLASS (13.56Mhz) Smart Card Technology		
External Reader Port	1 Reader port (26/32/34/35bit Wiegand) for exit		
Communications Port	RS485/RS232	TCP/IP	
Baud Rate	9600bps (Default)	9600bps (Default)	
Input Points	1 – Fire input		
LCD	16*2 alphanumeric		
Keypad	12 key numeric		
Inputs/Output	2 i/p (Door Status, Egress), 2 o/p (DOTL, Lock Open)		
Controller ID	Upto 32	Upto 128	
LCD Messaging	User defined Local/Global/Banner	User defined Local/Global/Banner	
LED/Buzzer	Bicolor LED Bar/Multi Tone buzzer o/p	Bicolor LED Bar/Multi Tone buzzer o/p	
Admin Users	8	16	
Power Supply	12v DC - 2A		
Template Upload/Download	RS485/RS232	TCP/IP	
Battery Back Power Supply	Optional		
Temperature	0° C to 50° C		
Humidity	20% to 90%		
Color/Weight	Jet Black/500 gms		
Approvals	CE		
Dimension (L X H X D) in mm	165 X 124 X 48		
Access Control Features			
Facility Code	Available		
Time Zone/Access Levels	7 + 1 (Free Time Zone)/Unlimited	63 + 1 (Free Time Zone)/Unlimited	
Time Zone Slots	Single slot per day	4 slots per day	
Anti-Passback	Local	Hard, Soft, Escort	
Holiday Setting	42		
Security Features			
Duress finger	Not Available	Available	
Data Download Security	Not Available	Available	
Secured Admin Login	Available using keypad	Available using card or finger	
Accessibility to Menu Functions	Not Configurable	Configurable	
Security Levels	5	12	
Compatible Software			
Access/Remote Mgmt System	SRMS Series	SSE Series (New)	
Reporting/Attendance Software	Classic; Professional Plus; Advance	Professional Plus; Advance, Enterprise Edition	

*Specifications and features are subject to change without prior notice.

Under HID Connect Partner Program