

BIOsmart is an elegant and compact Access and Time Attendance system. It is user-friendly system. Supports latest iCLASS Technology from HID. It can run on standalone as well as network mode.

### Key Features:

- Stores up to 4,750 Fingerprints & 20,000 event buffers
- Real time auto update of Finger Templates to monitor changes in the fingerprint.
- HID Compatible (HID PROX 125 KHz and HID iCLASS 13.56 Mhz Smart Card Technology)
- High Protection from Scratch and ESD (Electro Static Discharge)
- High Quality Optical Sensor / Capacitive Chip Sensor with Industry's fastest 1:1 and 1:N matching speed (**Award winning Fingerprint algorithm, 2004 & 2007**)
- Easy template distribution for network applications
- LCD for Time & Attendance Display along with user defined LCD Messaging
- Configurable Operating Modes – Only Card; Only Finger; Card + Pin + Finger etc.
- Configurable modes of sensor: 1:1; 1:N & auto-identification



Factories



Call Centers



Airports



Government Organisations



Corporate / Hospitals



### Sensor Module:

Specifications	OPTICAL	CHIP (CAPACITIVE)
CPU	400 MHZ DSP	
Resolution (dpi)	500+	
Image Size (pixels)	280 X 320	256 X 360
Sensing Area (mm)	16.0 X 19.0	12.8 X 18.9
Authentication / Identification	1:1& 1:N (User Groups facility for faster verification)	
Template Size	384 bytes (reducible to 256 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%	

**Entry Level Series:****Advance Series:**

Specifications	BIOSmart (SBX12 Series)	BIOSmart (SB130 Series)	BIOSmart (SB930 Series)
Memory	128	512 KB Flash	
Event Buffers	6000	20,000	
Number of Templates	950	950	4750
Card Buffer	1500	5000	5000
Read Range	Upto 10 cms		
Operation Modes	Card/UID only, (Card / UID) + Finger, Finger Only	Card/UID only, (Card / UID) + Finger, (Card / UID) + Finger + PIN, Card / (UID + Finger) + PIN, Finger Only	
Scanner (Sensor)	High Quality Optical / Chip Sensor		
Template Size	384 Bytes		
In-built Reader (Optional)	HID (PROX 125 KHz) HID iCLASS (13.56 Mhz) Smart Card Technology		HID (125 KHz) HID ICLASS (13.56 Mhz) Smart Card Technology
External Reader Port	1 Reader port (26/32/34/35 bit Wiegand) for exit		
Communications Port	RS485 / RS232	TCP/IP; RS485	
Baud Rate	9600bps (Default)	9600bps (Default)	
Facility Code	8 (3 digits code)	8 (3 digits code)	
Inputs/Output	2 i/p (Door Status, Egress), 2 o/p (DOTL, Lock Open)	2 i/p (Door Status, Egress), 2 o/p (DOTL, Lock)	
Time Zone / Access Levels	7 + 1 (Free Time Zone) / Unlimited	63 + 1 (Free Time Zone) / Unlimited	
Anti-Passback	Local (Controller wise)		
Controller ID	32	128	
Input Points	1 Fire Input	1 Fire Input	
LCD	16*2 alphanumeric	16*2 alphanumeric	
Keypad	12 Key Numeric	12 Key numeric	
Access / Remote Mgmt System	YES		
Reporting / Attendance Software	Classic; Professional & Enterprise Edition	Classic; Professional & Enterprise Edition	
LCD Messaging	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 Max	8 Max	
Holiday Settings	42	42	
Power Supply	For Unit: 12VDC 1.2 A Max For Lock: 12 VDC 1.5 A Max (Isolated)	For Unit : 12VDC 1.2 A MaxFor Lock: 12 VDC 1.5 A Max (Isolated)	
Template Upload / Download	RS485 / RS232	RS485 / RS232	
Battery Backup Power Supply	Optional	Optional	
Operating Temperature	0 °C to + 50 °C	0 °C to + 50 °C	
Humidity	20 % to 90%	20 % to 90%	
Color / Weight	Jet Black / 500 gms	Jet Black / 500 gms	
Approvals	CE (under Process)	CE	
Dimension (L X H X D) in mm	165 X 124 X 48	165 X 124 X 48	

**Benefits:**

- Flexible operating modes
- Highest Security Level
- Industry leading fingerprint identification speed.
- Supports HID readers (HID PROX 125 KHz and HID iCLASS 13.56 Mhz Smart Card Technology)
- Products Range to support requirements from Small Office to Organizations with Multi-Locations.
- User-friendly Remote Management System

**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™ Classic / Professional / Enterprise. (Visit [www.smartisystems.com](http://www.smartisystems.com) for more details)

**Applications:**

- Time Attendance System
- Physical Access Control
- Point of Sale System
- Safes and Vaults

**Under HID Connect Partner Program**

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

119, Neha Industrial Estate, Dattapada Road, Borivali (E), Mumbai - 400066  
 Tel.: +91 22 4074 4444 / 2870 4141 Telefax: +91 22 4074 4455  
 visit us at: [www.smartisystems.com](http://www.smartisystems.com) e-mail: [sales@smartisystems.com](mailto:sales@smartisystems.com)

