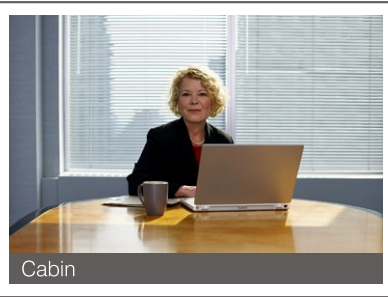


BIOsingle is an elegant and compact Fingerprint Reader specially designed for Access Control System. Supports Latest iCLASS Technology from HID. It can work as Controller as well as Reader in Standalone and Network mode.

### Key Features:

- Stores up to 4,750 Fingerprints & 6,000 event buffers.
- Real time auto update of Finger Templates to monitor changes in the fingerprint.
- 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 & 2006**).
- Can be configured as Controller or Reader depending on Applications.
- Configurable Operating Modes Only Card; Only Finger; Card + Finger etc.
- Configurable modes of sensor: 1:1; 1:N & auto-identification



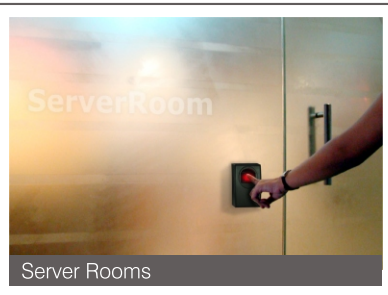
Cabin



Safety Vaults



Hotel Rooms



Server Rooms



R&D / Q.C. Labs



### Fingerprint Scanner Specifications:

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 (reducible to 256 bytes)
Template Upload/Download from PC	YES
Enrollment Time	2 sec
Verification Time	1 sec
Identification Time: upto 1000 Fingers	1 sec
FAR	0.001%
FRR	0.10%

Specifications	BIOSingle as Controller		BIOSingle as Readers	
	SBS3 Series		SBS150 Series	SBS950 Series
Memory	128 KB		N.A.	
Event Buffers	5000		N.A.	
Number of Templates	300		950	4750
Operation Modes (Optional)	(1:N) - Fingeronly / (1:1) Fingerprint + Card / Card Only		(1:N) - Fingeronly / (1:1) Fingerprint + Card / Card Only	
Scanner (Sensor)	High Quality Optical Sensor		High Quality Optical Sensor	
In-built Card Reader	HID (PROX 125 KHz) HID iCLASS (13.56 Mhz) Smart Card Technology		HID (PROX 125 KHz) HID iCLASS (13.56 Mhz) Smart Card Technology	
External Port	Egress (Exit Switch)		N.A.	
Communications Port	RS485		Wiegand o/p	
Read Range	Upto 10cms		N.A.	
Wiegand Formats	N.A.		26 bits / 32 bits	
Distance from Controller	N.A.		100 mtr	
Template Upload / Download	RS485 / RS232		RS485 / RS232	
Baud Rate	9600bps (Default)		9600bps (Default)	
Facility Code	8 (3 digits code)		8 (3 digits code)	
Inputs/Output	2 i/p (Door Status, Egress), 1 o/p ( Lock Open) / 1 Fire o/p		N.A.	
Time Zone / Access Levels	7 + 1 (Free Time Zone) / Unlimited		N.A.	
Controller ID	Upto 32		Upto 32	
Access / Remote Mgmt System	SRMS10 – P, SRMS23 - PS		Template Manager (For Template Upload / Download)	
Reporting / Attendance Software	Classic; Professional & Advance Edition		N.A.	
LED / Buzzer	Bi-color LED Bar / Multi Tone Buzzer o/p		Bi-color LED Bar / Multi Tone Buzzer o/p	
Power Supply	For Unit : 12VDC 1.2 A Max For Lock: 12 VDC 750 mA Max (Isolated)		12 VDC from Controller	
Operating Temperature	0° C to 50° C		0° C to 50° C	
Humidity	20% to 90%		20% to 90%	
Battery Backup Power Supply	Optional		Not required	
Color / Weight	Jet Black / 300 gms		Jet Black / 300 gms	
Approvals	CE (under Process)		CE (under Process)	
Dimension (L X H X D) in mm	76 X 124 X 50		76 X 124 X 50	

### Programming Unit:

LCD Display	16*2 alphanumeric (External)
Keypad	3x4 Matrix Keypad (External)

### 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:

- Physical Access Control
- Safes and Vaults
- Time Attendance System
- Guard Tour

Under HID Connect Partner Program



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

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