BIOsingle

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

Key Features

- Stores up to 9,500 templates & 5,000 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 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.

Fingerprint Scanner

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: 1000	< 1 sec
FAR	0.001%
FRR	0.1%

application areas

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

Benefits:

- Flexible operating modes.
- Highest Security Level.
- Industry leading fingerprint identification speed.
- Supports Proximity/Smart card/HID readers.
- 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 for more details)

Specifications	BIOsingle As a Controller	BIOsingle As a Reader	
	SBS310 Series	SBSN150 Series	SBSN950 Series
System Features			
Memory	128 KB	N.A.	
Event Buffers	5000	N.A.	
Number of Templates	300	1900	9500
Operation Modes (Opt.)	(1:N) – Fingerprint/(1:1) Fingerprint + Card/Card only	(1:N) – Fingerprint/(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 Switch	N.A.	
Communications Port	RS485	Wiegand o/p	
Read Range	Upto 10cms	N.A	
Distance From Controller	N.A.	100mtr	
Wiegand Formats	N.A.	26 bits/32 bits	
Template Upload / Download	RS485 / RS232	RS485/RS232	
Baud Rate	9600bps (default)	9600bps (default)	
Input/Output	2 I/p (Door status, Egress), 1 O/p (Lock Open)/1 Fire O/p	N.A.	
Controller ID	Upto 32	Upto 32	
LED / Buzzer	Bi-color LED Bar / Multi Tone Buzzer o/p	Bi-color LED Bar/Multi Tone Buzzer O/p	
Power Supply	For Unit : 12v DC 1.2 A Max For Lock : 12v DC 750 mA Max (Isolated)	12v DC 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	
Dimension (L X H X D) in mm	76 X 124 X 50	76 X 124 X 50	
Users	1500	N.A.	
Access Control Features			
Facility Code	8 (3 digits code)	8 (3 digits code)	
Time Zone Access Levels	7 + 1 (Free Time Zone)/Unlimited	N.A.	
Compatible Software			
Access/Remote Mgmt System	SRMS Series	Template Manager (For Template Upload/Download)	
Reporting/Attendance Software	Classic; Professional & Advance Edition	N.A.	

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

Under HID Connect Partner Program

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