Intelligent Fingerprint Rack Access Control System

FEATURES

- Email and SMS Configuration for unauthorized access alerts through software.

- Automatic and Manual Database backup Daily, Weekly and Monthly

- Restrict particular user for particular door from software.

- Time Zone, Holiday restrict user feature through software.

- Open and close the door from software by authorized user.

- Dashboard for quick Alarm Monitoring on software.

- Single organization multiple location software management.

- Solution have capability to provide data on TCP/IP-Modbus protocol to integrate with client BMS/DCIM.

- Facility to set and change the IP address on the device itself. There should be no requirement of PC or laptop to set IP address.

- All controller's information should be readable using keypad in offline mode

- The Controller function and record access logs even in standalone mode when network fails.

- Power redundancy capability

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Protect your assets, data and equipments with iFACS – an integrated IP based access control solution which allows expansion to multiple racks with simple "Plug-n-Play" provision, removing the nuisance of costly customization on rack cabinets.

A fascinating Solution with Multiple Benefits...

iFACS acts as cohesive system which seemlessly integrates all the access control related components on rack like Electro Mechanical locks, Door switch, Fingerprint Controller and lock power management. The Solution Offers Flexibility to customers to Choose between individual rack based Access Control or Complete Aisle based Access Control by configuring the Master Fingerprint Controller. iFACs offers provision of Plug & Play type connectors(RJ-45) for effortless installation process.

Door Manager

Particulars	Specifications
Communication Port	RJ45
Communication Protocol	RS-485
Baud Rate	9600bps (Default)
Sound	Beep type
Input	2 no's : Front Door Switch and Rear Door Switch; 1 no's: Fire/Emergency
Output	2 no's = Front Door Lock and Front DOTL; Rear Door Lock and Rear DOTL,
Power Supply	12V DC - 2A
Enclosure	Industry Standard Metal Enclosure
Color	Black
Dimensions	113 H x 64 W x 25 D
Mounting	Rack Mount (with metal enclosure)

Junction Box

Particulars	Specifications
Input	2 no's : Front Door Switch and Rear Door Switch; 1 no's: Fire/Emergency
Output	1 no's = Rear Door Lock and Rear DOTL,
Power Supply	12V DC - 2A
Enclosure	Industry Standard Metal Enclosure
Color	Black
Dimensions	64 L x 64 W x 30 H (in mm)
Mounting	Rack Mount (with metal enclosure)
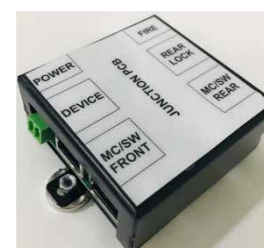
Intelligent Fingerprint Rack Access Control System

smartSWING

Particulars	Specifications
LED	Indicates Status of Lock
Colour /Appearance	Black
Linear Solenoid	Used for Latching Purpose
Power	12VDC/2Amp Power Supply
Overall Dimensions:	170.6 x 37 x50.25mm
Output	Used to sense Lock is open or Closed
LED Status	Lock(Mechanically closed and Electrically closed) - RED Mechanically closed and Electrically open - GREEN Mechanically open and Electrically closed - PURPLE (RED + BLUE) Mechanically open and Electrically open - CYAN (GREEN + BLUE)

BIOslim

Applications	Access Control System For Racks/Panel Doors.
CPU	ARM 32 Bit RISC Processor
Memory	Up to 8 MB (Flash)
Events	1,00,000
Finger Template	Up to 1900 (1:N)
Operation Mode	Card, UID + Finger, Card + Finger, Finger Only
Card Reader	Proximity, Mifare Smart Card, HID-i class, HID-Prox
Sensor	High Quality Scratch Resistance Optical Sensor (Suprema) with ISO19794-2, ANSI-378 template standard
Finger Score	Display Finger quality Score at the time of finger Registration
Communication	TCP/IP. TCP/Modbus Interface, RS-485.
Display	2.4" TFT Color Display
Keypad	Capacitive Touch Sense
Baud Rate	9600bps (Default)
Controller ID	Up to 10,000
Language	English
LED	Tri Colour LED Bar
Sound	Various Beep Indication
Power Supply	12 V DC/ 2A
Enclosure	IP-65 , ABS Plastic
Colour	Grey & Black
Dimension	58 x 210 x 49
Mounting	Rack Mounting

BioMini +

Sensor Type	Optical
Resolution	500dpi/256 gray
Platen Area	16.0mm x 19.0mm (0.63" x 0.75")
Sensing Area	16.0mm x 18.0mm (0.63" x 0.71")
Image Size	315 x 354 pixels
Compression Standards	WSQ
Template Format	Suprema, ISO19794 2, ANSI 378
Image Format	RAW, BMP, WSA, ISO19794 4
Image Certificate	FBI PIV/FIPS 201, FBI Mobile ID FAP10, STQC
Live Finger Detection	Supported
Latent Detection	Supported
IP65	Supported (Sensor Surface), Scratch Free
USB	2.0 High Speed
Operating Temp./Humidity	10oC~50oC / 0~90%
Certification	CE, FCC, KC, RoHS, USB IF, CB, IEC62471, WEEE, WHQL
Dimension	BioMini Plus 2 : 66 x 90 x 58 mm (W x L x H)
Operating System	Windows / Linux (32/64 Bit) / Android 4.1 & Above

smartPERSONLIZER

Dimension（mm）	80W X 83 H X 21 D
Transmit Frequency	13.56Mhz
Card (Transponder)	Mifare Series (ISO 14443A)
Card Read Time	0.1 sec
Output Interface	USB
Baud Rate	38,400 bps
Material	ABS Plastic
Power Supply (default)	8V to 12V DC
Colour	Black
SDK	Available

Intelligent Fingerprint Rack Access Control System

Software

- Dashboard for Real time RackAccess Status
- Alarm Events Windows Notification
- SMS-Email Alerts for Alarm Events
- Audit Trail of all actions
- Scheduled Report generation through Emails
- Configurable Report Generation
- Provision of Database backup (Scheduled & Manual)
- User friendly Application Master Hierarchy
- Mass Card Assignment
- User Account Management
- Easy to Deploy for quick installation

Event Reports

Current Transaction Report

smartPERSONLIZER

System Info	Required Specifications
Operating System	Windows -7 and above
RAM	8 GB
Storage	50 GB (root drive) + 500 GB (Database)
CPU Processor	I3 Core
SQL Server	License Version of SQL 2014 & above
Microsoft Office	Microsoft office 2013 & above
Acrobat Reader	Adobe Acrobat Reader
.Net Framewrok	4.5 & above

General System Architecture Multiple Rack Access

R5485 COMMUNICATION

POWER SUPPLY 1   POWER SUPPLY 2   POWER SUPPLY 1   POWER SUPPLY 2   POWER SUPPLY 1   POWER SUPPLY 2

DOOR MANAGER   DOOR MANAGER   DOOR MANAGER

MASTER CONTROLLER

N/W SWITCH

RACK 16   RACK 2   RACK 1

SNMP TRAPS

MANAGEMENT APPLICATION
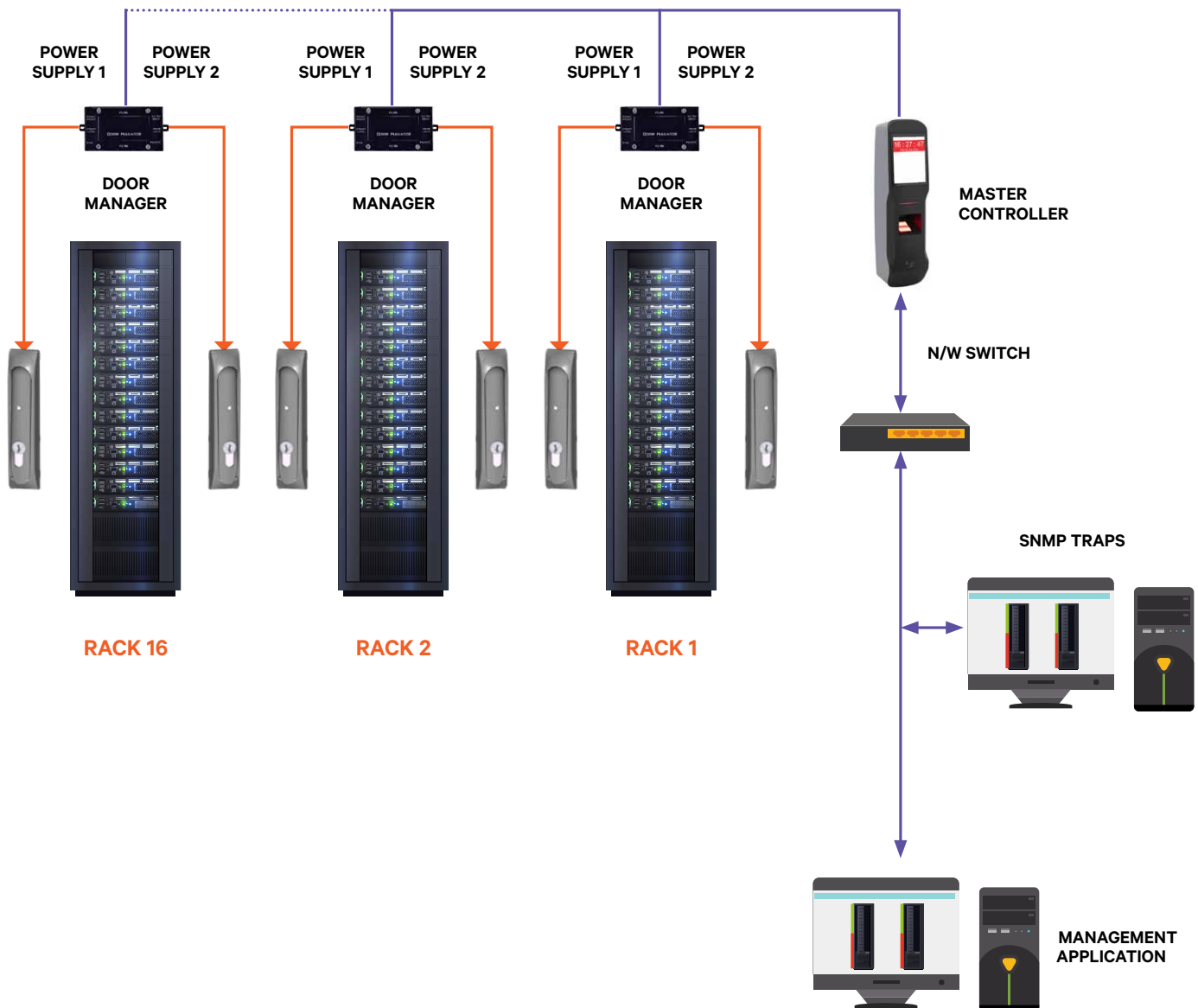
Intelligent Fingerprint Rack Access Control System

General System Architecture Standalone Rack Access

SNMP TRAPS

MANAGEMENT APPLICATION

POWER SUPPLY

JUNCTION BOX

DOOR SWITCH

BIO-SLIM CONTROLLER

ELECTRONIC SWING HANDLE LOCK

FRONT DOOR

REAR DOOR

ELECTRONIC SWING HANDLE LOCK

RACK 1

POWER SUPPLY

JUNCTION BOX

DOOR SWITCH

PATCH CORD

BIO-SLIM CONTROLLER

FRONT DOOR

REAR DOOR

RACK 2
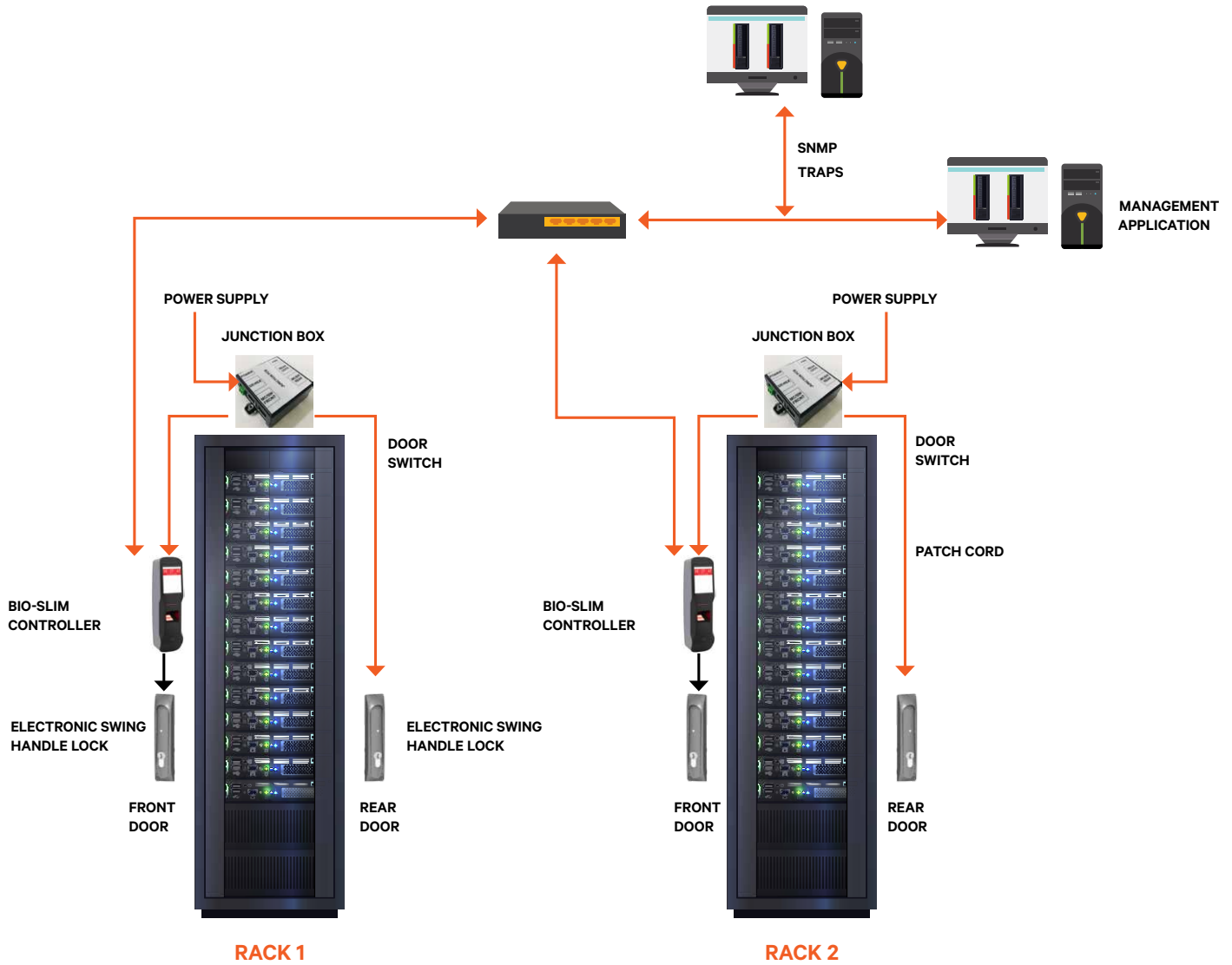
MODELS	DESCRIPTION
Single Rack Access Control System(Front & Rear Door)	
SBSR1930-AC-S	Slim Series TCP/IP based Fingerprint + Card Based Rack Door Controller (With Front & Rear Door Logic) with inbuilt **Mifare Smart Card Reader** + 2.4" TFT Color Display with Capacitive Touch sense Keypad.
SBSR1930-AC-P	Slim Series TCP/IP based Fingerprint + Card Based Rack Door Controller (With Front & Rear Door Logic) with inbuilt **Proximity Card Reader** + 2.4" TFT Color Display with Capacitive Touch sense Keypad.
SBSR1930-AC-HI	Slim Series TCP/IP based Fingerprint + Card Based Rack Door Controller (With Front & Rear Door Logic) with inbuilt **HID Iclass Reader** + 2.4" TFT Color Display with Capacitive Touch sense Keypad.
SBSR-1930-AC-HP	Slim Series TCP/IP based Fingerprint + Card Based Rack Door Controller (With Front & Rear Door Logic) with inbuilt **HID Prox Reader** + 2.4" TFT Color Display with Capacitive Touch sense Keypad.
SBJBRSAC-002	Bioslim Junction Box for Rack- Provision of Emergency input. Junction PCB box use to connect door switch & Rear door lock of Rack (RJ-45 type connectors), Magnets for mounting purpose, Single power supply.
SBJBRDAC-002	Bioslim Junction Box for Rack- Provision of Emergency input. Junction PCB box use to connect door switch & Rear door locks of Rack (RJ-45 type connectors), Magnets for mounting purpose, Dual power supply.
Rack Row Access Control System	
SBSR1930-ACDM-S	Slim Series TCP/IP based Fingerprint + Card Based **Multiple Rack Door Controller Master** with inbuilt **Mifare Smart Card Reader**+2.4" TFT Color Display with Capacitive Touch sense Keypad. Power Supply.
SBSR1930-ACDM-P	Slim Series TCP/IP based Fingerprint + Card Based **Multiple Rack Door Controller Master** with inbuilt Proximity Reader + 2.4" TFT Color Display with Capacitive Touch sense Keypad. Power Supply.
SBSR1930-ACDM-HI	Slim Series TCP/IP based Fingerprint + Card Based **Multiple Rack Door Controller** Master with inbuilt **HID i Class Reader** + 2.4" TFT Color Display with Capacitive Touch sense Keypad. Power Supply.
SBSR1930-ACDM-HP.	Slim Series TCP/IP based Fingerprint + Card Based **Multiple Rack Door Controller Master** with inbuilt **HID Prox Reader** + 2.4" TFT Color Display with Capacitive Touch sense Keypad. Power Supply.
SBDMRSAC-162	Door Manager For Rack Access Management. with single power supply
SBDMRDAC-162	Door Manager For Rack Access Management. RS-485 Port to loop multiple door managers, Dual power supply.

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MODELS	DESCRIPTION
Electronic Swing Handle Lock For Standard Cut Out Size (150mm X 25mm)	
SSLU-CR-001-RJ45.	Electronic Swing Handle Lock with RJ45 Female Connector, CAM-ROD Type. LED Indication. With common manual key. Cutout Size
SSLU-C-001-RJ45	Electronic Swing Handle Lock with RJ45 Female Connector, CAM Type. LED Indication. With common manual key.
SSLU-R-001-RJ45.	Electronic Swing Handle Lock with RJ45 Female Connector, ROD Type. LED Indication. With common manual key.
SSLU-CR-002-RJ45	Electronic Swing Handle Lock with RJ45 Female Connector, CAM-ROD Type. LED Indication. With UNIQUE MANUAL KEY OVERRIDE.
SSLU-C-002-RJ45	Electronic Swing Handle Lock with RJ45 Female Connector, CAM Type. LED Indication. With UNIQUE MANUAL KEY OVERRIDE.
SSLU-R-002-RJ45	Electronic Swing Handle Lock with RJ45 Female Connector, ROD Type. LED Indication. With UNIQUE MANUAL KEY OVERRIDE.
Electronic Swing Handle Lock For OEM Racks	
SSLU-CR-001-RTF-RJ45	Swing Handle Retrofitted lock for OEM Racks, CAM-ROD type. LED Indication, Common manual key.
SSLU-C-001-RTF-RJ45	Swing Handle Retrofitted lock for OEM Racks. CAM Type. LED Indication, Common manual key.
SSLU-R-001-RTF-RJ45.	Swing Handle Retrofitted lock for OEM Racks. ROD Type. LED Indication, Common manual key.
SSLU-CR-002-RTF-RJ45	Swing Handle Retrofitted lock for OEM Racks, CAM-ROD type. LED Indication, Unique key.
SSLU-C-002-RTF-RJ45	Swing Handle Retrofitted lock for OEM Racks. CAM Type. LED Indication, Unique key.
SSLU-R-002-RTF-RJ45.	Swing Handle Retrofitted lock for OEM Racks. ROD Type. LED Indication, Unique key.

MODELS	DESCRIPTION
Accessories	
SDC-MCSWITCH	Door Switch with RJ45 connector.
SDC-ROD	Rod and rod guide for locking mechanism in Rack. (project based)
SDC-PCORD-1MT	Patch Cord- 1 MTR.
SDC-PCORD-2MT	Patch Cord- 2 MTR.
SDC-PCORD-3MT	Patch Cord- 3 MTR.
SDC-PCORD-5MT	Patch Cord- 5 MTR. (For looping of Door Manager to Door Manager)
Biomini Plus 2	Desktop based fingerprint reader with power supply. (Optional For Desktop Client)
SCP60	smart card reader/writer device with power supply. (Optional For Desktop Client)
SC-M1	Mifare Smart Cards. (Memory:1K)
HIDC-Iclass	HID make access card - Iclass type.
HIDC-Prox	HID make access card - prox type
Centralized Management Software	
SDC-SRACK-001	Centralized Rack access control management software. Desktop Client-Server, MS-SQL Database Support
SeSMS	SMS Service Pack:- 1Lacs SMS (Optional third party SMS gateway service)
SDC-SQL-LIC001	SQL Server 2016 Standard License Version. With Redundancy support

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