

Protect your assets, data and equipments with iFACS – an integrated IP based access control solution which allows single to multiple racks with simple CAT5/6 cable based “Plug-n-Play” connection removing the nuisance of costly customization on rack cabinets



Key Features and benefits:

- Biometrics and Smart card Authentication for IT Racks
- Gives high level security to data center IT racks and assets.
- Two-factor and 4 eye principal authentication to enhance the security.
- 4 Color LED Indication for locking and handle status.
- Master Slave Architecture controls up to 16 Racks resulting in cost optimization.
- Network failover capability to function and store access logs during network failure.
- Power failover capability to function during one source power failure.
- Tamper& Manual override Monitorable Mechatronics locking system.
- Software based Centralized Management System.
- Real time monitoring tool for Rack Access/Status on LVS provides a DC floor cluster view.
- Emergency Door Opening configuration.
- SNMP and API Based integration with DCIM and other 3rd party software.

Why iFACS?

- Datacenters need intelligent Physical Security Solution for accessing mission critical IT racks.
- Eliminate mechanical common keys that opens all IT Racks including mission critical IT Assets.
- Mandatory Biometric Access Control System needed for firms as per the norms.
- To control the access of Mission Critical IT Racks during frequent Vendor visit into DC.
- To track the IT Racks access by authorized and unauthorized personnel.
- Eliminate the manual system registration error.
- Clear visibility and alerting on long time opened rack and unattended opened IT Racks.
- Eliminate IT asset and Dat theft from Mission critical IT Racks.
- Standard Secured Centralized software-based Management solution to manage multiple datacenters.

Card and Biometric Reader

Applications	Access Control System for Racks/Panel Door.
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/HID Multi
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
Display	2.4" TFT Color Display
Keypad	Capacitive Touch Sense
Baud Rate	9600bps (Default)
Controller ID	Up to 10,000
Language	English
LED	Tri Color LED Bar
Sound	Various Beep Indication
Power Supply	12 V DC/ 2A
Enclosure	IP-65, ABS Plastic
Color	Grey & Black
Dimension(mm)	49.5(W) x 210(H) x 49(D)
Mounting	Rack Mounting



Door Manager



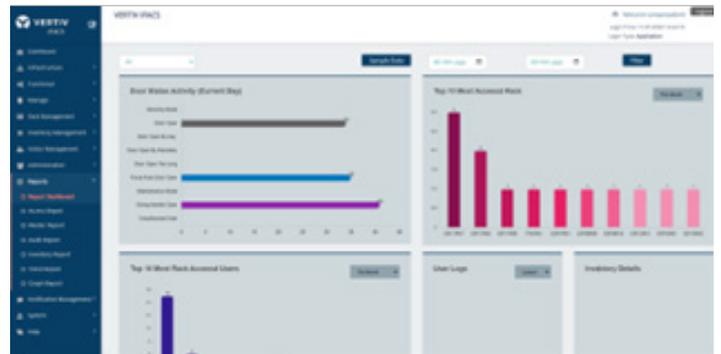
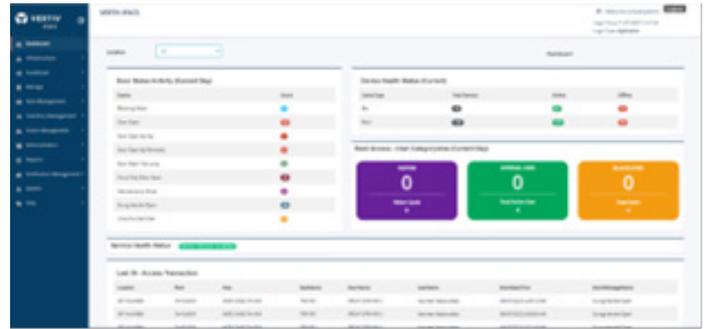
Particulars	Specifications
Communication Port	RJ45
Communication Protocol	RS-485
Baud Rate	9600 bps (default)
Sound	Beep Type
Input	2 no's: Front Door Switch and Rear Door Switch.
1 no's: Fire/Emergency	Various Beep Indication
Output	2 no's = Front Door Lock and Front DOTL; Rear Door Lock and Rear DOTL.
Power Supply	12V DC - 2A
Enclosure	Industry Standard Metal Enclosure
Color	Black
Dimensions	113 L x 64 W x 30 H (in mm)
Mounting	Rack Mount (with metal enclosure)

Swing Handle

Particulars	Description
LED	Indicates Status of Lock
Color/Appearance	Black
Linear Solenoid	Used for Latching Purpose
Power	12VDC/1Amp Power Supply
Overall Dimensions	219 X 37 x 54.80mm
Max Current	300 mA
Output	Used to sense Lock is open or closed
LED Status	<ul style="list-style-type: none"> - 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)

Management Software

- Web based Management Software with Dashboard for Rack Access and Devices Status View.
- Alarm Events Notification via SMS and Email.
- Internal and LDAP External Authentication
- Filterable Reports module and Audit Trail of all actions.
- Configuration and Scheduled Report generation through emails.
- Provision of Database backup (Scheduled & Manual).
- Hardware firmware upgrade through Software.
- High availability architecture.
- Audit Trail of all actions.
- Automatic and Manual Database backup Daily, Weekly and Monthly.
- Role based access and user management.
- Authorized Remote Door opening with logging.



Vertiv iFACS software minimum requirements

System Info	Required Specifications
Operating System	Windows 10 or above
RAM	8 GB
Storage	SSD (250 GB or more)
CPU Processor	Core i3
SQL Server	License Version of SQL 2014 or above
Microsoft Office	Microsoft office 2013 or above
Acrobat Reader	Adobe Acrobat Reader
Net Framework	4.6 or above
Monitoring Resolution	1920 x 1080
Bandwidth	100 Mbps LAN/ 5 Mbps WAN
Network Switch Compatibility	Up to 100 Mbps
Browser Type	Google Chrome (Version 70 or above)

Stand-alone Solution Diagram



Multiple Rack Solution Diagram



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