NETRACK ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Intelligent Rack & Cooling Solutions

Overview

iRack Series, a Self Cooled, Self Powered & Self Contained Rack

Trend towards having Intelligent Infra Capsules on Premises at Banking & Insurance Sector, Warehouses, Manufacturing sector & Educational Institutions made the Rack manufactures to think on concept of iRack. Thanks to Technology, which made the concept a reality today

The Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001 | ISO 14001 | ISO 27001 | ISO 45001 Manufacturing & Quality management system to ensure highest quality product.
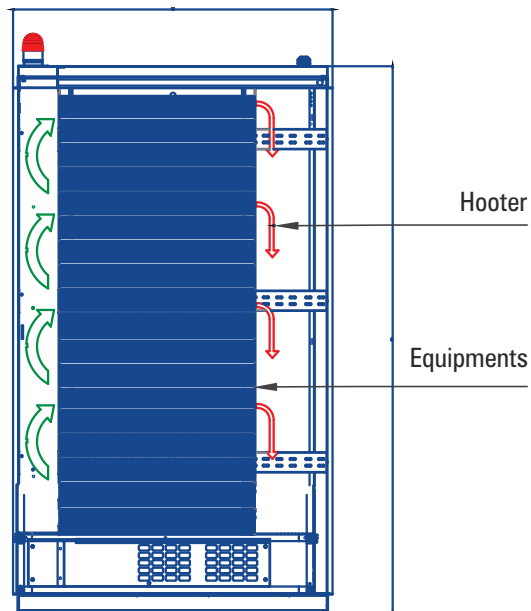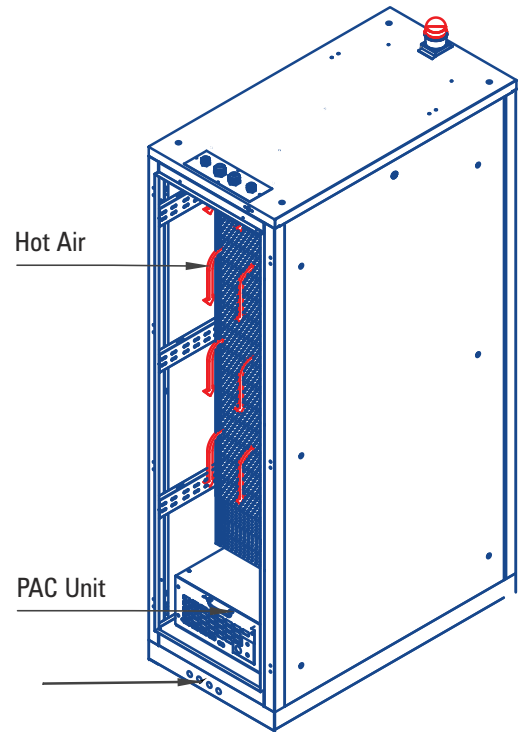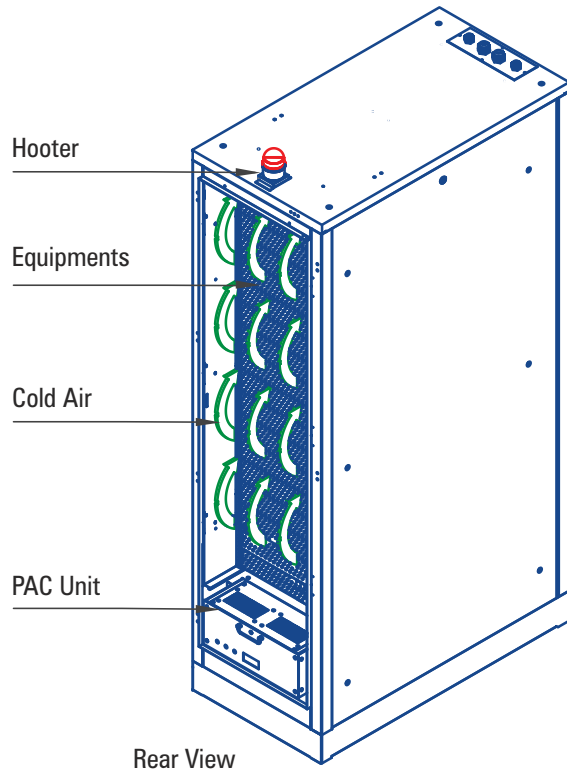
Standard for Racks configuration will be welded ultra rigid frame with 4 No. Pillars of 14 Gauge steel sheet 6 folded profile welded to top and bottom ribbed /reinforced frame additionally supported depth wise by welding 6 No. depth rail 4 folded 75mm 16 Gauge profile. Front Glass door with lock & key and Back Metal door with lock & key and Plain dual side panels. Free standing on plinth.

To Complete intelligence in iRack NetRack integrate 3.5Kw/7Kw PAC Unit,with and without redundancy, UPS with Battery bank, Intelligent PDU for Power, Surveillance & environmental management, KVM & Console for server management, Intelligent Rack access for physical security will complete full fledged iRack Configuration..

iRack equipped with Air-seal Kit,Blanking panels, Brush models and panels for complete Airflow management.
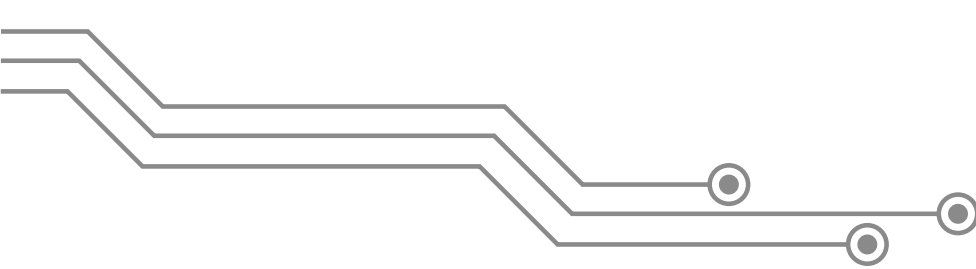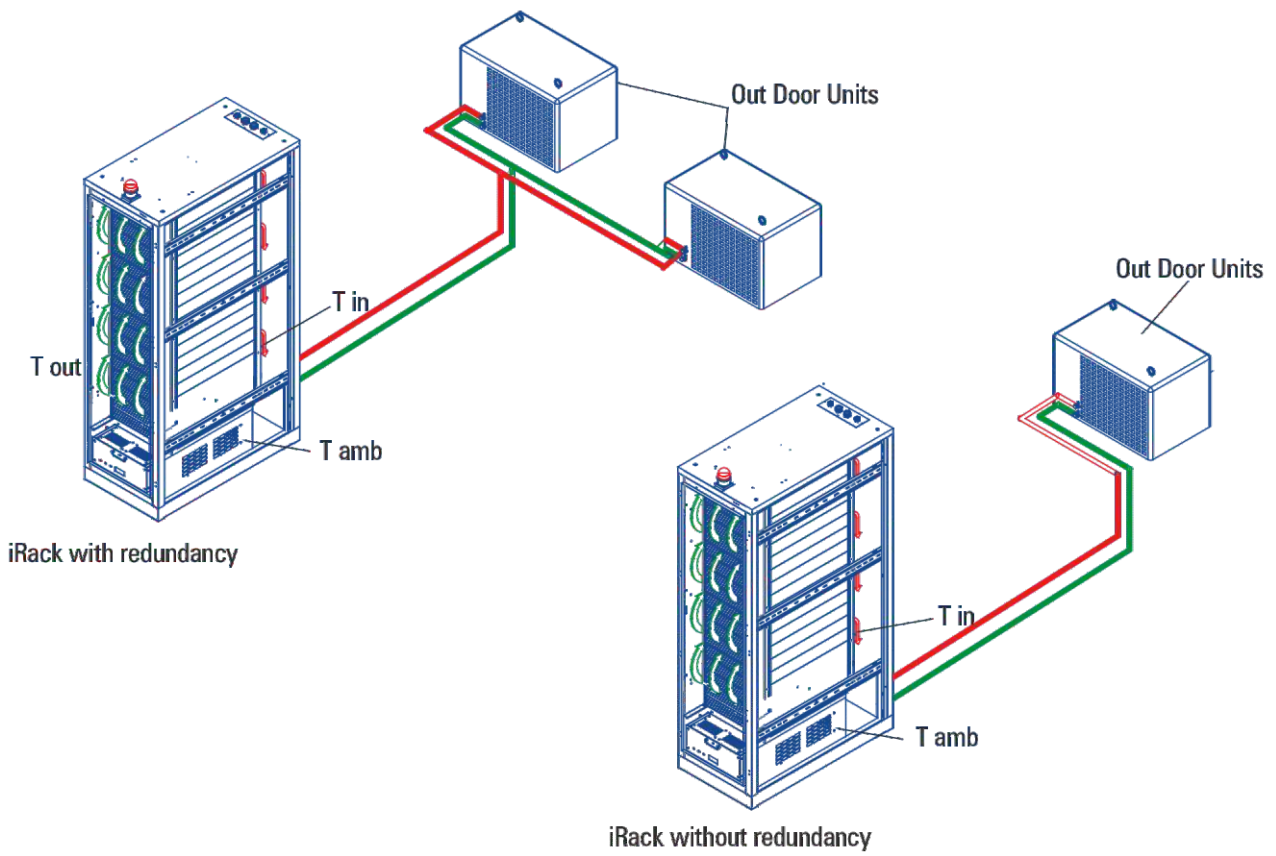

Available in 42RU Variants with 1200 Depth Configurations and 600 & 800 Width Configurations.

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Hooter

Equipments

Cold Air

PAC Unit

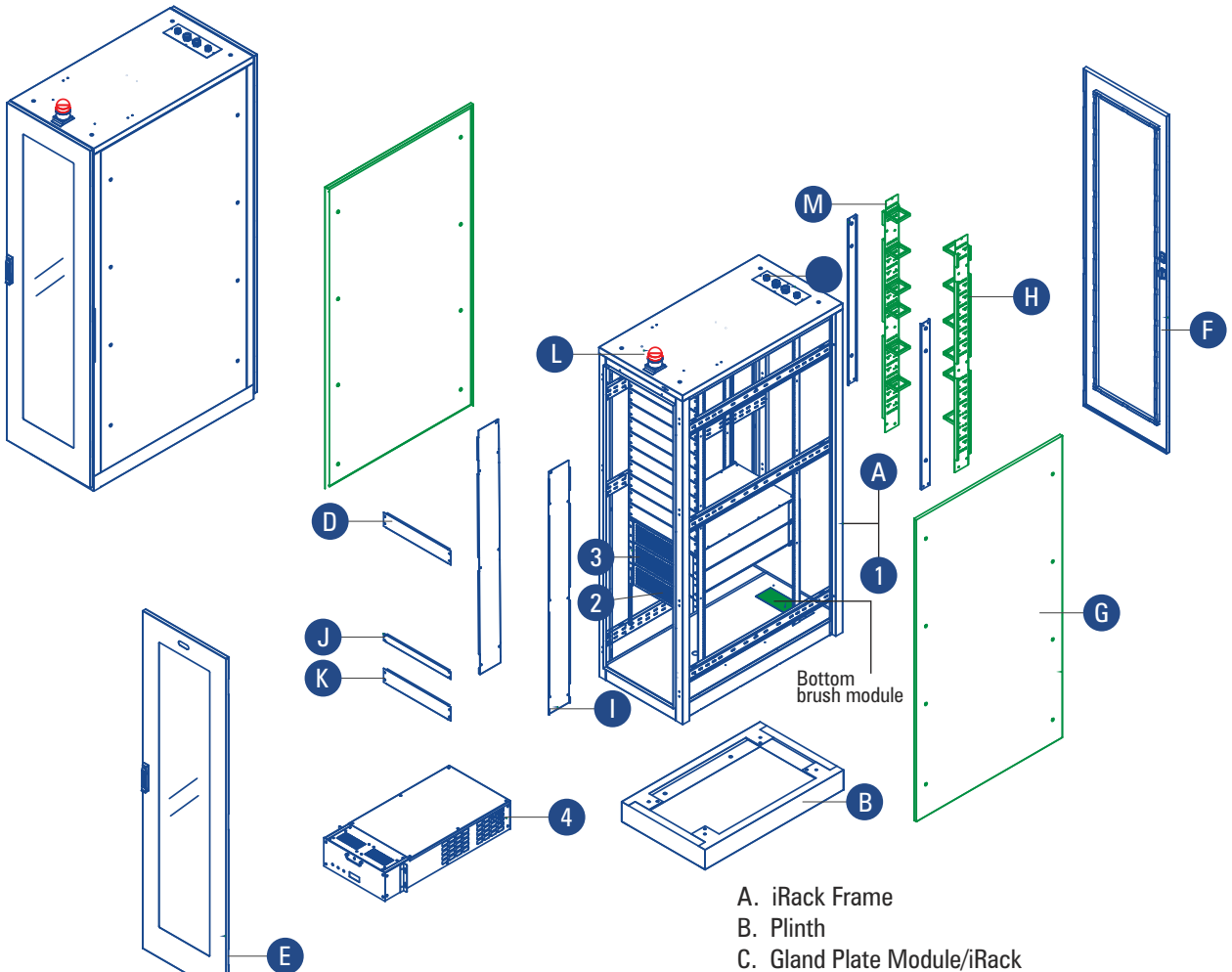Rear View

Hot Air

PAC Unit

Hooter

Equipments

1. Completely Contained
2. IP 50 for Dust Protection
3. Airseal Kit & Blank Panel for
   Airflow Management
4. Gland Module for IP 50 Cable Entry & Exit
5. 3.5Kw/7Kw PAC Unit

iRack IDU to ODU Piping diagram with and without redundancy

Out Door Units

T in

T out

T amb

iRack with redundancy

Out Door Units

T in

T amb

iRack without redundancy

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iRack Series Configurator Drawing with Critical Parts

Bottom brush module

A. iRack Frame
B. Plinth
C. Gland Plate Module/iRack
D. Blank Panel/2U/ Maintenance Stickering
E. Glass Door
F. Metal Door
G. Side Panels
H. Universal Cable Basket
I. Air Seal Kit
J. Blank Panel/1U - 5No
K. Blank Panel/2U - 5No
L. Light/ Hooter 1No
M. Pdu Mounting Channel

1. iRACK/42U /600X1200/IT COMPONENTS
2. iRack UPS Unit / 3KVA /10 Min Back Up/2U
3. iRack Extended Battery Module/3KVA /20min/2U
4. iRack Ac/ Horizontal/ 3.5Kw/4U & 7Kw/6U

Features

- Precision Cooling unit
- UPS & Battery Bank
- Intelligent PDU for Power
- Surveillance & environmental management
- KVM & Console for server management
- Intelligent Rack Access for physical security
- STS for Power redundancy
- Alert /alarm in the event of temp high or low
- Rack carefully designed and configured as self contained with minimal cold air losses and thermal short circuit

Specifications

Rack Load Capacity	1000 KG
Rack U Space	34 U
Cooling Capacity	3.5 Kw/7Kw
UPS Capacity	Available
UPS Back Up	Available
Rack Access Control	Available
Camera Based Surveillance	Available
Intelligent PDU	Available
Intelligent Climate Monitoring	Available
Analogue / Digital KVM	Available
Intelligent Asset Management	Available

Model Matrix & Dimensions

iRack-Series	H	h	W	w	w1	D	d	d1	Plinth Height (MM)
42U-600X1200	2005	42U	600	19"	451	1200	1100	725	100
42U-800X1200	2005	42U	800	19"/27"	451	1200	1100	725	100

Note : Overall Height = Frame Height+Plinth

Abbreviations

Frame Height	H
Usable Height	h
Overall width	W
Usable width	w
Usable width Between Front MTG. Angles	w1
Overall depth	D
Usable depth	d
Usable Depth From Mounting Angle to Angle	d1