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.
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
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

Note: For cable entry / exit refer page No 31
### Specifications

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<td>Rack Load Capacity</td>
<td>1000 KG</td>
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<tr>
<td>Rack U Space</td>
<td>34 U</td>
</tr>
<tr>
<td>Cooling Capacity</td>
<td>3.5 Kw/7Kw</td>
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<tr>
<td>UPS Capacity</td>
<td>Available</td>
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<td>UPS Back Up</td>
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<td>Rack Access Control</td>
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<td>Intelligent PDU</td>
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<td>Intelligent Climate Monitoring</td>
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<td>Analogue / Digital KVM</td>
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<td>Intelligent Asset Management</td>
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### Model Matrix & Dimensions

<table>
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<tr>
<th>iRack-Series</th>
<th>H</th>
<th>h</th>
<th>W</th>
<th>w</th>
<th>w1</th>
<th>D</th>
<th>d</th>
<th>d1</th>
<th>Plinth Height (MM)</th>
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<tr>
<td>42U-600X1200</td>
<td>2005</td>
<td>42U</td>
<td>600</td>
<td>19&quot;</td>
<td>451</td>
<td>1200</td>
<td>1100</td>
<td>725</td>
<td>100</td>
</tr>
<tr>
<td>42U-800X1200</td>
<td>2005</td>
<td>42U</td>
<td>800</td>
<td>19°/27°</td>
<td>451</td>
<td>1200</td>
<td>1100</td>
<td>725</td>
<td>100</td>
</tr>
</tbody>
</table>

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