# RACKWISE

*Web-based multi-vendor configuration tool for network designers and administrators*

## Key Benefits

**Increase bottom line profitability.** Reduce time spent on rack configuration by 80%. A typical Rackwise configuration can take only 30 minutes compared to 10 hours manually.

**Never get caught without the right cable.** Accurate inventory of required cabling and assembly instructions provided.

**Avoid errors.** Detect rack configuration issues prior to installation with Rackwise validation and error message document.

**No more searching for datasheets.** Check multi-vendor product specifications via Rackwise online database and direct links to manufacturer's datasheets.

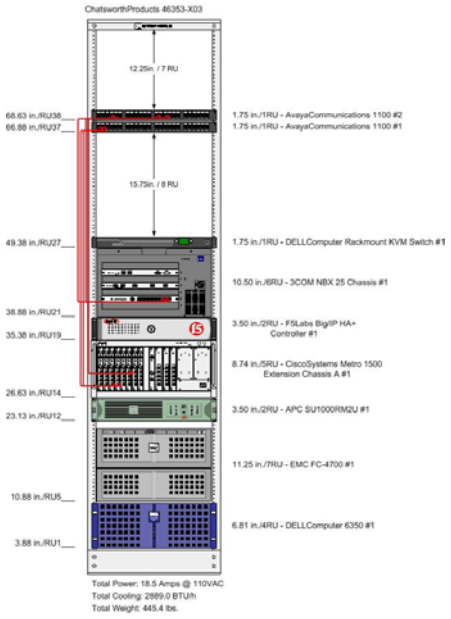
**Stop re-entering data for network upgrades.** Save and edit Rackwise configurations to eliminate re-entering and monitor network growth

**Document your network**. Build an inventory of the installed products on existing networks. Reports can track warranty and serial number information.

"By saving time in the RFP and design phase of a network project, this drag-n-drop rack design tool could cut a VAR's sales cycle by 80%"

- Jasmine Noel
JNoel Associates

"Many network engineers spend up to 10 hours configuring the network devices in just a single rack!"




With the simple, intuitive Rackwise interface users easily move through the process of configuring complex network systems, personalizing product choices, cards, modules, cables and other decisions creating a highly detailed visual representation of each rack.

### The Need for Automated Network Configuration Management

Those responsible for network design and administration know first hand how difficult it is to plan for and manage the layout and interconnectivity between cross-platform network and storage equipment. Physically designing a network and rack configuration is a complex and still largely a manual and error-prone process.

It is time consuming to research product specifications such as power, heat load and weight from each vendor's datasheets or websites and to determine the required cable type and length, as well as the physical unused space and weight of the loaded rack.

### Rackwise Saves Time, Reduces Design and Installation Errors

Rackwise is an online tool that assists with planning and configuring one or many network racks. Using a simple intuitive interface, rack configurations are created using vendor-specific equipment shapes, producing a highly detailed visual representation of each product.

With drop down menus, users can easily move through the process of configuring complex network systems, personalizing product choices, cards, modules, cables and other decision factors to their individual requirements. Using component placement rules, the user selects devices and the units are automatically placed in the correct rack units and cables connected to the correct ports to maximize rack efficiency.

### Avoid Configuration Cabling Errors

A large percentage of network installations have initial errors associated with cabling or interconnectivity and many network outages are caused by configuration errors.

Rackwise provides validation of the rack configuration prior to any network change. Because most network adds, moves, and changes must be accomplished quickly and often at night or on weekends, being able to automate and document these processes can help avoid costly errors.

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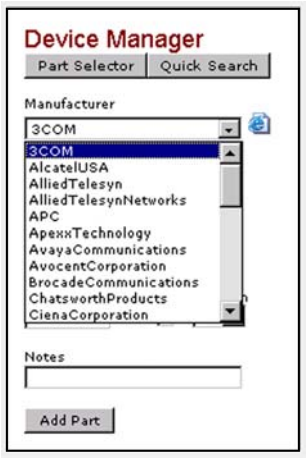
## Online Database

The Rackwise online database supports more than 10,000 networking vendor-specific equipment shapes from leading network, storage and computer equipment manufacturers including Cisco Systems, Avaya, Brocade, 3Com, Dell, IBM, HP/ Compaq, Sun and EMC. The database also supports rack, UPS and cable accessories.

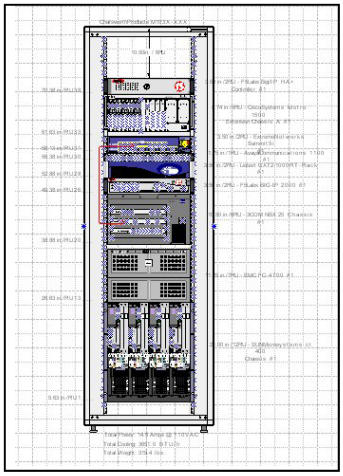
Continuously updated with the latest product releases, the component shapes are extremely detailed and have interactive port-accurate connection points, meaning there's a connection point of every port so that a user can verify connections. The database information can be reviewed by manufacturer, product category, and product number or by description.




## Reports and Exports

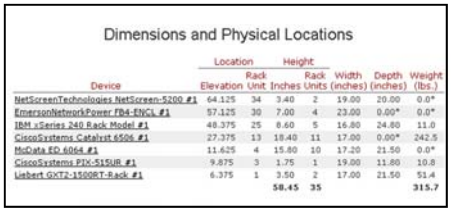
Each Rackwise solution includes the following three report choices:

**1. HTML Front and Rear View** with read only drawings of the front and rear views of the rack.



**2. Visio Drawing** which shows front and back views of a 3D model of the racking solution. Can be viewed, edited and printed using Visio.

**3. HTML Report** which includes**:**



Dimensions and Physical Locations

| Device | Location Elevation | Location Rack Unit | Height Inches | Height Rack Units | Width (inches) | Depth (inches) | Weight (lbs.) |
|---|---|---|---|---|---|---|---|
| NetScreenTechnologies NetScreen-5200 #1 | 64.125 | 34 | 3.40 | 2 | 19.00 | 20.00 | 0.0* |
| EmersonNetworkPower FB4-ENCL #1 | 57.125 | 30 | 7.00 | 4 | 23.00 | 0.00* | 0.0* |
| IBM xSeries 240 Rack Model #1 | 48.375 | 25 | 8.60 | 5 | 16.80 | 24.80 | 11.0 |
| CiscoSystems Catalyst 6506 #1 | 27.375 | 13 | 18.40 | 11 | 17.00 | 0.00* | 242.5 |
| McData ED 6064 #1 | 11.625 | 4 | 15.80 | 10 | 17.20 | 21.50 | 0.0* |
| CiscoSystems PIX-515UR #1 | 9.875 | 3 | 1.75 | 1 | 19.00 | 11.80 | 10.8 |
| Liebert GXT2-1500RT-Rack #1 | 6.375 | 1 | 3.50 | 2 | 17.00 | 21.50 | 51.4 |
| | | | 58.45 | 35 | | | 315.7 |

**Dimensions and Physical Locations** Lists all devices in the rack and provides a link to the manufacturer's product datasheet. Shows part elevation, height and weight in inches and rack units.

Power and Heat Load

| Device | Power | Heat Load (BTU/hour) |
|---|---|---|
| NetScreenTechnologies NetScreen-5200 #1 | 0.0* Amps @ 110VAC | 0.0* |
| EmersonNetworkPower FB4-ENCL #1 | 0.0* Amps @ 110VAC | 0.0* |
| IBM xSeries 240 Rack Model #1 | 1.5 Amps @ 110VAC | 0.0* |
| CiscoSystems Catalyst 6506 #1 | 26.4 Amps @ 110VAC | 18000.0 |
| McData ED 6064 #1 | 4.0 Amps @ 110VAC | 1672.0 |
| CiscoSystems PIX-515UR #1 | 1.5 Amps @ 110VAC | 160.4 |
| Liebert GXT2-1500RT-Rack #1 | 0.0* Amps @ 110VAC | 0.0* |
| | | 19832.4 |

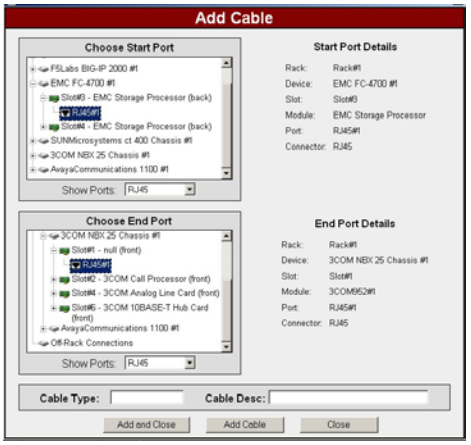
**Power and Heat Load**
Lists individual and total power consumption and heat load for each device in the rack.

Rack Properties

| Manufacturer | Model | Weight (lbs.) | Unit Height (Inches) | Unit Count |
|---|---|---|---|---|
| Liebert | FrameWork 29 Inch Depth | 0.0* | 1.75 | 40 |

**Rack Properties**
Shows the rack manufacturer, model, weight, rack unit spacing in inches and total number of rack units.

**Rack Totals**
Shows the total number of used and unused rack units, power consumption, heat load and weight for the rack and its parts.




**Cable Lengths and Connections**
Shows from and to port connection information including device, slot, port detail with cable and connector type, as well as cable lengths.

**Notes**
Provides notes on the basic design validation for a configured rack and reports common error conditions in power requirements, heat load, weight and rack space and partial or missing data.

**Assembly Instructions**
Provides detailed instructions on how to assemble the racks. and parts selected in the Bill of Materials.

## 6 Easy Steps to Rack Configuration

1. Create a Project or edit an existing project by clicking on **My Projects** tab.
2. Build a Bill of Materials (BoM) by clicking **BOM Builder** tab and selecting products from the Rackwise database.
3. **Click Rack It!** to generate the documents that depict the rack solution.
4. Use the **Cable Planner** to assemble the desired modules into devices, create cable connections, and reposition the devices as necessary.
5. Click **Re-Rack It!** to show your rack solution with cables and modules added.
6. View, edit/save the resulting rack reports and drawings by clicking the **Documents** tab.

**System Requirements** Rackwise is designed to run on Microsoft Internet Explorer v6.0 or higher. A high speed connection (cable or DSL minimum) is recommended for full access to the program. Microsoft Visio© 2000 or later must be installed on you local computer if you want to view, edit, print and save Visio drawings created by Rackwise. You can view only with the free Microsoft Visio Viewer installed.

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