

Racknet

Solution

Racknet helps optimize manual processes in the data center and serves as a single access point to consolidate data center information. With comprehensive alarming and reporting functions, Racknet is the perfect tool to monitor SNMP devices. The notification system sends alarms and alerts based on user-defined thresholds, and has multiple escalation levels. The auto-discovery system makes adding devices simple, and the intuitive interface allows users to quickly drill into specific rooms to visualize any part of the data center.

Utilizing drag and drop capabilities, Racknet is highly customizable. Quickly manipulate user-defined collections of data in Racknet to give unique sets of information. With Report Manager, users can report on vital data center information using unique charts and graphs. To help understand overhead expenses, use the energy cost analysis to provide vital power consumption estimates.

Features and Benefits

Aggregated Views of Data

Displays one comprehensive view of all monitored equipment with a combination of preconfigured and user defined graphics. Understand key elements of the data center, providing information on how to improve efficiency.

Alarm Notification

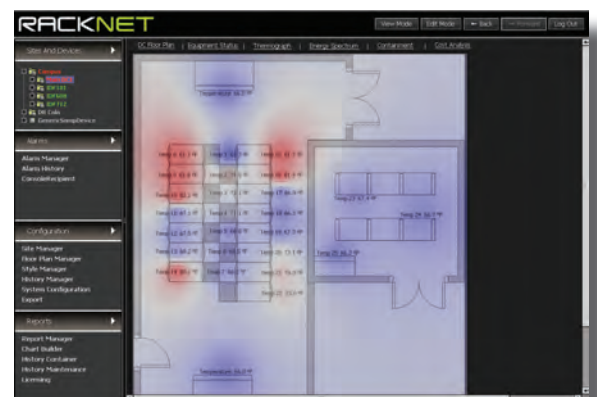
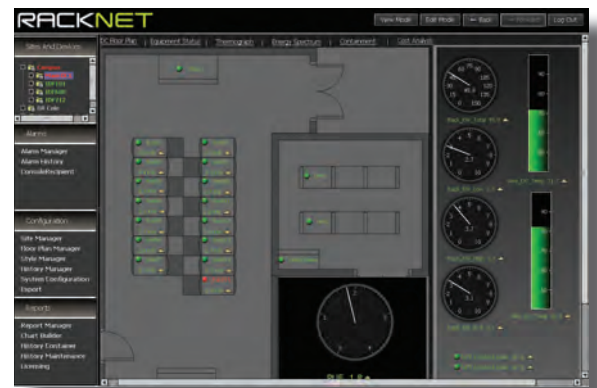
User defined thresholds for quick alarm notification including three escalation levels. Identifies problems before they become catastrophic.

Reporting and Histories

Build and generate unique reports based on individual requirements (e.g., Customer Monthly Power Usage, High/Low/Average Temperatures, Monthly Capacities, Monthly PUE/DCiE). Visually display data in various chart types for easy interpretation.

Math Functions and Collections

Aggregate data from individual points or groups of points to create user defined views of data such as highs, lows, averages, costs, usages, etc. Associate functions with dashboards and other applicable views.



Racknet's customizable floor plan graphics allow users to create views that clearly represent their data center.

Thermographic View

Drag and drop sensors onto the data center floor plan for a quick real-time view of the data center environment. Visualize where problematic areas might exist and know where to troubleshoot.

Single Access Point for Integration

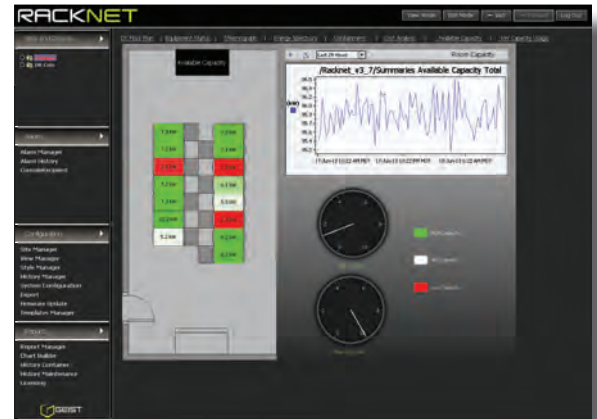
Racknet provides output of collected data via SNMP and BACnet. Racknet also has a robust programming API which increases integration capabilities with larger management systems.

Appliance and Virtual Machine Option

Select between a hardware appliance and virtual machine option for quick and simple install.

Racknet Node Manager

Geist DCIM also offers a Racknet solution for only Geist devices. This lower cost solution provides a single aggregation point for real-time monitoring and trending. Racknet Node Manager (NM) provides many of the same benefits as a full Racknet solution. See below for a features comparison chart.



Features and Benefits	Racknet	Racknet Node Manager
Support for all Geist hardware	X	X
Support for all 3rd party power strips	X	
Support for all 3rd party SNMP devices	X	
Optional Geist Network (GNET)	X	X
Optimal SNMP and BACnet output of all collected data	X	X
Support for up to 1,000 devices	X	X
Geist equipment global firmware updates	X	X
Alarming and trending	X	X
Report Manager	X	
User defined graphical views (one customizable view for NM)	X	X
User defined collection objects for associations of data	X	
HTTP pass-through of all GNET devices	X	X
Appliance form factor	X	
Virtual Machine option	X	X

For more information about Racknet solutions, contact Geist DCIM at 877.449.4150 or dcimsales@geistglobal.com.

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