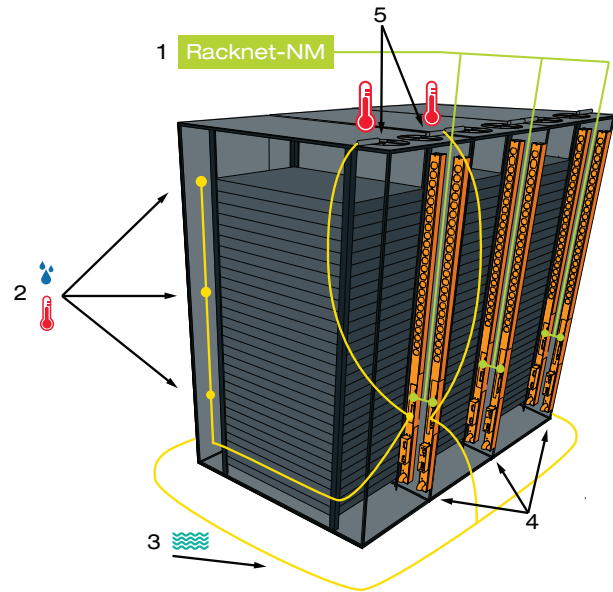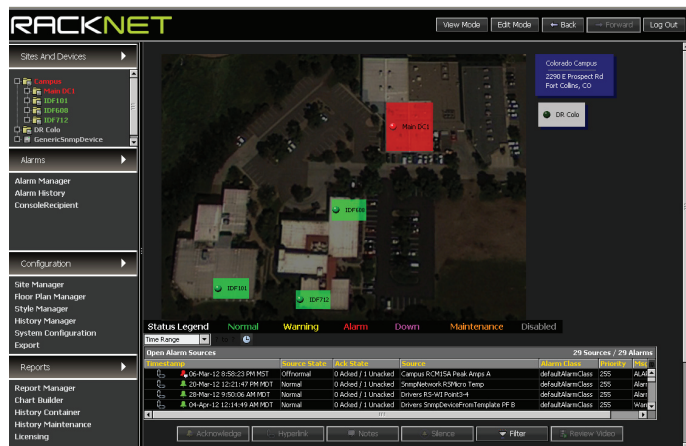# Racknet Node Manager (NM)

Overview

Racknet Node Manager (NM) provides a simple solution for managing only Geist devices. This low-cost solution provides a single aggregation point for real-time monitoring and trending.
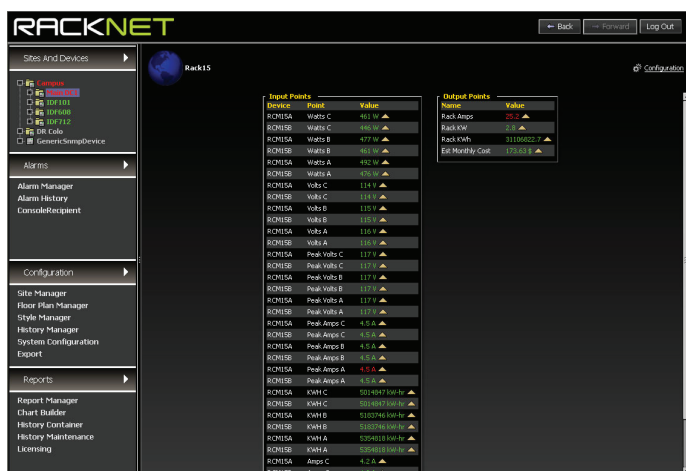
Racknet-NM manages the data center white space with a single point of integration. Racknet-NM is designed to support Geist equipment in a single interface and allows for user defined alarms, alerts and history trending, creating a single view of critical Geist infrastructure. See the comparison chart on page two to see how Racknet-NM compares to the standard Racknet solution.

Main Campus View

Standard Equipment View

Application Diagram

Racknet-NM – Collects data from specified Geist equipment then stores, aggregates, and displays the data on a secure internet connection for multiple user remote access.

Temperature/Humidity/Dewpoint Sensors (GTHD) – Measure critical environmental elements and send data through intelligent PDU ports. The GTHD sensors shown can daisy chain similar units to create a sensor network.

Water Sensing Unit – Detects presence of water and reports information to the intelligent PDU.

Intelligent PDUs – Supplies power to critical data center equipment. In addition, the intelligent PDU sends performance metrics as well as data captured from environmental sensors to Racknet for collection.

Temperature and Airflow Sensors – Measure specific temperature and airflow at critical locations around the cabinet then sends data through intelligent PDU ports.

Features & Benefits

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

Main Data Center View
Displays one comprehensive view of all monitored equipment with a combination of preconfigured and user defined graphics.

Histories
Visually display data in various chart types for easy interpretation. Save time by automatically generating the reports you need with the data you want to see.

Single Access Point for Integration
Racknet communicates out via SNMP, BACnet and the oBIX API for seamless integration with larger management systems.

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 48 GNET	X	X
Auto configuration of IP address for connected equipment (DHCP Server)	X	X
SNMP and BACnet output of all collected data	X	
Support for up to 1,000 devices	X	X
Geist equipment global firmware updates	X	X
Alarm, Trend, Report on all collected data	X	X
User defined graphical views	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 the Racknet solutions, contact Geist DCIM at 877.449.4150 or dcimsales@geistglobal.com.