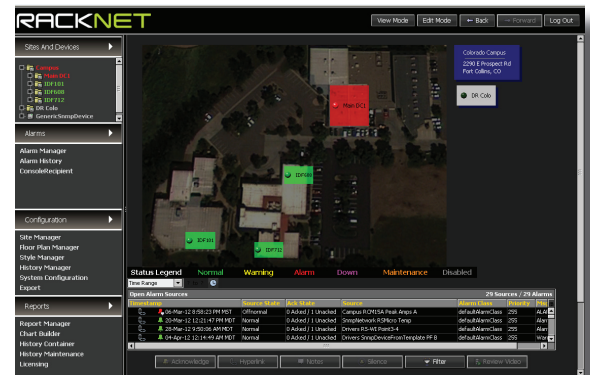# GEIST
## DCIM | Racknet Node Manager

# Racknet Node Manager (NM)

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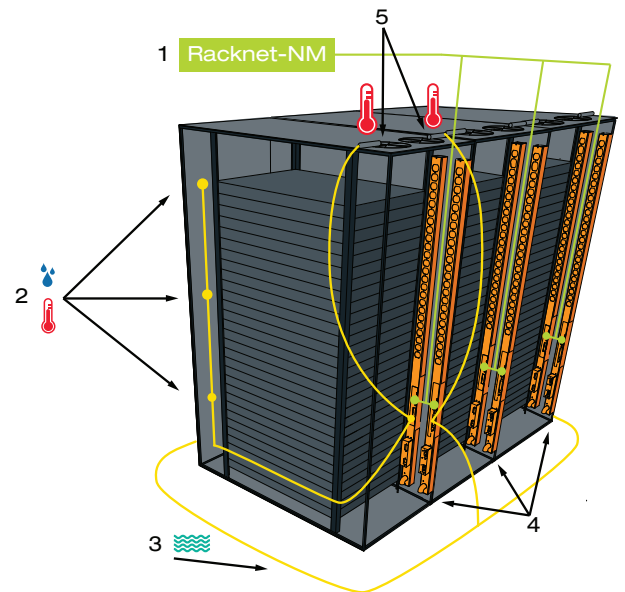
Racknet-NM manages Geist devices with a single point of integration. Racknet-NM is designed to support Geist equipment in a single interface and allows for user defined alarms, alerts and history trending, creating a single view of critical Geist infrastructure. See the comparison chart on page two to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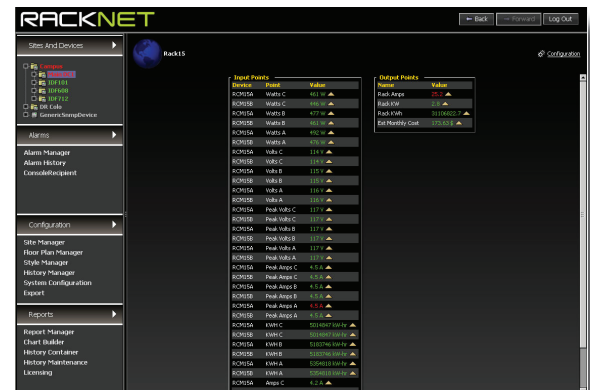
## Application Diagram

1. **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.

2. **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.

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

4. **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.

5. **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.
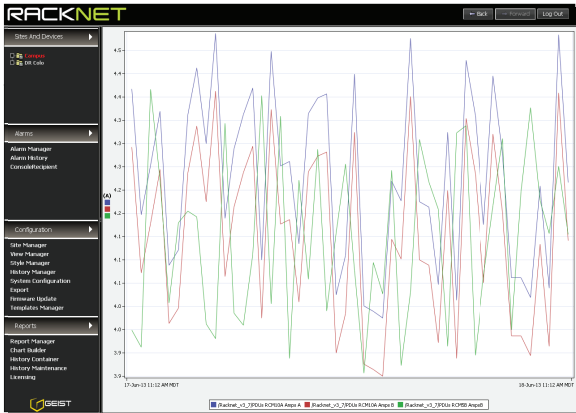
## Main Campus View





## Standard Equipment View

## 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-NM collects data from integrated Geist devices via SNMP protocol. With an optional upgrade, you can also communicate data out via SNMP, BACnet, and oBIX for seamless integration with larger management systems

## Histories and Reports



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

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

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