

## Racknet Concentrator

### Racknet-Aggregator

The Geist Concentrator can be used with Racknet to create hundreds of connections within the Geist Network (GNET). Each Concentrator has 46 available ports and multiple Concentrators can be daisy-chained together. Racknet provides visibility to data from Geist power strips in a centralized location. It prevents users from having to set up IP addresses on the production network and saves space on costly network switches. Racknet communicates via SNMP.



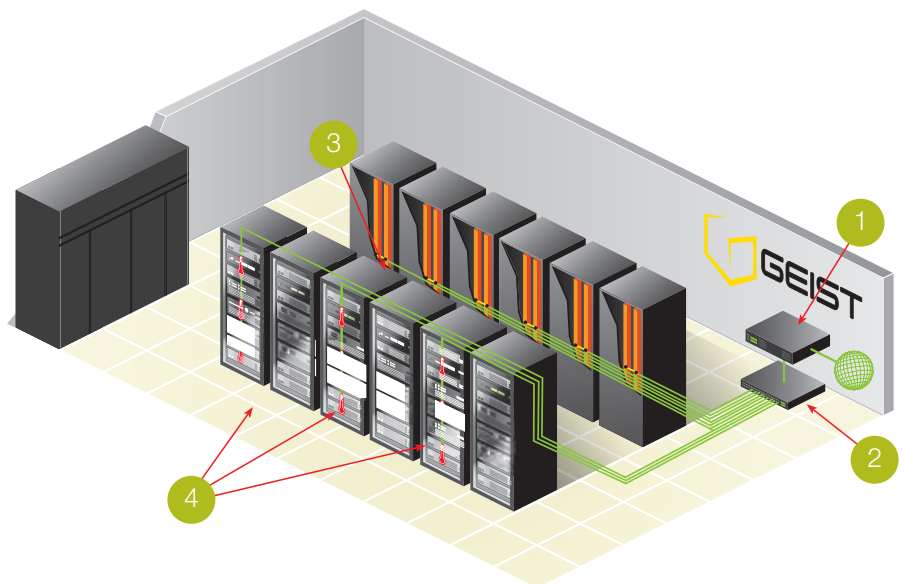
### Application Diagram

(1) Racknet – Collects data from specified equipment then stores, aggregates, reports and displays the data on a secure Internet connection for multiple-user remote access. Captures data from up to 48 unique Ethernet connections. Allows users to create an independent network to collect intelligent PDU and environmental sensor data without connecting to the data center network

(2) Concentrator - Combines up to 48 unique Ethernet lines to deliver a single data line to Racknet. By utilizing multiple concentrators, users can target thousands of unique points to create a sophisticated monitoring network for large data centers.

(3) 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.

(4) Temperature/Humidity/Dewpoint Sensors (Watchdog 15/GT3HD) – Measure critical environmental elements and send data through intelligent PDU ports. Geist's sensors shown can daisy chain similar units to create a sensor network.



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