Intelligent Rack PDU Monitoring and Management with Power IQ Software

Data Sheet

Intelligent Rack PDUs + DCIM = Complete Solution

Intelligent rack PDUs are an important part of modern data center management. But who has the time to collect, record, analyze, and derive insights from all the data they generate? Sunbird's Power IQ DCIM Monitoring software was designed specifically to centralize rack PDU monitoring and management. Our vendor-agnostic solution can collect 11.5 billion data points per day to transform your data into actionable insights that dramatically simplify data center management.
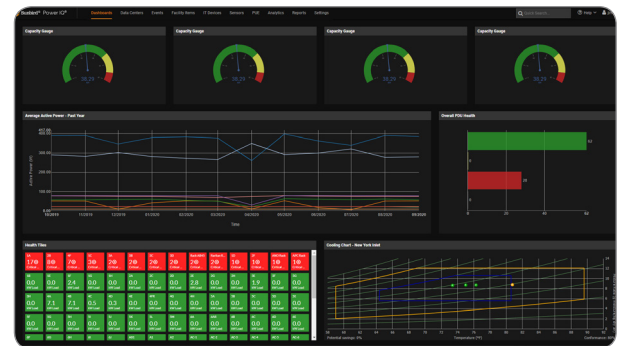
Maintain Uptime, Redundancy, and Three-Phase Balance

- **Be the First to Know of Potential Issues** – Monitor power and environmental thresholds, receive email notifications of threshold violations, and forward notifications to higher-level monitoring systems.

- **Redundancy Planning Made Easy** – Use failover reports to know which racks are low on available capacity and nearly outside redundancy requirements.

- **Sleep Better with Health Polling** – Receive an automatic notification when a PDU loses power or network connectivity to quickly remediate the issue.

- **Do the Work of an Electrical Engineer** – Know when a PDU is out of 3-phase balance and track percentage imbalance to know how to balance the load.

- **Load Shift Detection** – Tunable AI copilot detects and alerts when the load shifts from one power supply on an IT device to another, indicating a potential loss of redundancy.
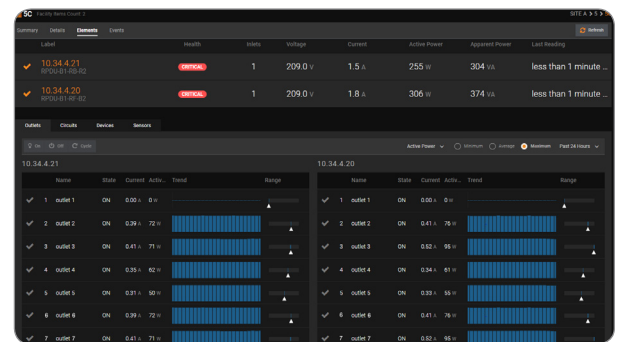

Increase Energy Efficiency and Improve Capacity Planning

- **Know What's Happening in Your Data Center** – Use your rack PDUs as gateways to add temperature and humidity sensors. Then, leverage environmental threshold monitoring, ASHRAE psychrometric cooling charts, and environmental trend charts to avoid wasting energy by overcooling and identify the formation of hot spots.

- **Find and Shut Down Ghost Servers** – Our built-in report identifies all the potential ghost servers that are wasting energy and space in your data center so you can decommission them.

- **Automatic PUE at Your Fingertips** – Track the real-time and trended PUE of each of your locations to know the impact of efficiency initiatives and compare efficiency across sites.

- **Bill Back Energy Costs Based on Usage** – Accurately bill internal groups for the energy they consume to drive energy efficient behavior.

Boost the Productivity of People

- **No More Trips to the Data Center** – Say goodbye to physically walking the data center floor to record meter readings from all your rack PDUs. Our tool collects granular data from your devices and stores them for long periods of time to save you time and money.

- **Zero-Configuration Analytics** – Interactive charts make it easy to extract actionable insights from power and environmental data from day one.

- **Effortless Management Reports** – Automatically create, schedule, and email management reports on a recurring basis so all stakeholders are aware of the latest KPIs.

- **Centralized Rack PDU Management** – Bulk configure and update firmware for Raritan, Server Technology, and CPI rack PDUs.

- **Remote Power Control** – Power on, power off, and power cycle your rack PDUs without leaving your desk.

Sunbird®
DCIM that's easy, fast, and complete

Intelligent Rack PDU Monitoring and Management with Power IQ Software

Out of the Box, Centralized Rack PDU Management.

Sunbird Software is a vendor-agnostic solution that works with the rack PDUs you have. As the software partner of Raritan, Server Technology, Legrand, and Chatsworth Products, Sunbird offers additional functionality for the rack PDUs manufactured by these brands. The following table provides a comprehensive overview of the key features that Power IQ supports for each vendor as of version 9.1.

Power IQ Feature	Raritan PX3/PX4	Server Tech PRO4X	Server Tech PRO3X	Server Tech Sentry4	Server Tech Sentry3	Chatsworth Products (CPI)	All Rack PDU Vendors
Collect Sensor Data	✓	✓	✓	✓	✓	✓	✓
Receive Traps	✓	✓	✓	✓	✓	✓	✓
Power Control	✓	✓	✓	✓	✓	✓	✓
Bulk Update PDU Names	✓	✓	✓	✓	✓	✓	✓
Bulk Update Sensor Names	✓	✓	✓	✓	✓	✓	✓
Bulk Update PDU Location	✓	✓	✓	✓	✓	✓	✓
Bulk Update PDU Contact	✓	✓	✓	✓	✓	✓	✓
Bulk Update PDU Outlet Names	✓	✓	✓	✓	✓	✓	✓
Bulk Firmware Updates	✓	✓	✓	✓	✓	✓	
Bulk Set Trap Destination	✓	✓	✓	✓	✓	✓	
Bulk Update SNMP Config	✓	✓	✓	✓	✓	✓	
Bulk Update Password	✓	✓	✓	✓	✓	✓	
Bulk IP Address Change	✓	✓	✓	✓	✓	✓	
Collect Daily Config Backup	✓	✓	✓	✓			
Restore/Clone Config	✓	✓	✓	✓			
SNMP Informs	✓	✓	✓				
Stored Buffer Data Retrieval	✓	✓	✓				
Door Locks	✓	✓				✓	

Call 732.993.4476 or visit **SunbirdDCIM.com**

About Sunbird Software
Sunbird Software is changing the way data centers are being managed. With a focus on real user scenarios for real customer problems, we help data center operators manage tasks and processes faster and more efficiently than ever before, while saving costs and improving availability. We strive to eliminate the complexity they have been forced to accept from point tools and home grown applications, removing the dependency on emails and spreadsheets to transform the delivery of data center services. Sunbird delivers on this commitment with unexpected simplicity through products that are easy to find, buy, deploy, use, and maintain. Our solutions are rooted in our deep connections with our customers who share best practices and participate in our user groups and product development process. Based in Piscataway, NJ, Sunbird serves over 1,900 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.

![Sunbird logo] **Sunbird®**
DCIM that's easy, fast, and complete