

Features and Benefits: Power IQ® for eConnect® DCIM Monitoring Software



Features	Benefits
Vendor Agnostic Management	Through one web browser, monitor CPI's eConnect® PDUs, as well as many other manufacturers' devices and sync automatically with Power IQ for eConnect software, using a single web browser; easily add support for non-synced devices via our dynamic plug-in capability.
Auto Discovery of Rack PDUs	Simply enter an IP address and the number of IP addresses to scan to find and add rack PDUs to the system.
Full support of CPI Secure Array® Technology	Helps achieve up to 90% reduction in Rack PDU networking costs by supporting the IP consolidation as well as the failover capabilities built within CPI Secure Array technology.
Power Usage Effectiveness (PUE) Gauge and Chart	Provide a relative measure of facility power, versus overall equipment, enabling maximum power efficiency through identification and improvement of problem areas.
Data Center Health Map	A real-time, interactive, data center health map of critical infrastructure including CRACs, UPSs, Floor PDUs, Remote Power Panels, Racks, Rack PDUs and IT Devices; improves uptime by making incidents, such as hot spot formations, SLA violations, overcharges and loss of redundancy, known before they become problems.
Reports	
Personalized Dashboard	Use slide show mode to display real-time updates for power and environmental health, rack cooling performance, energy capacity, forecasts and consumption, weather services, maps, video and more on a large screen. Dashboard also allows screen size, layout and charts to be configured.
Smart Rack View	Power IQ for eConnect enables "one click access" to rack power, cooling, humidity, airflow, events and more with drill down to information about rack contents such as PDUs and IT devices.
Cooling Charts (Patented)	Increase Uptime and Energy Efficiency through determining compliance with manufacturer and industry-accepted recommendations, and project how much energy can be saved by gradually increasing room ambient temperatures. Support free cooling operation with the display of ASHRAE recommended and allowable ranges.
Capacity Gauge	Improve Capacity Utilization – See maximum, current and minimum load on a capacity gauge at rack, row, room, lab or data center level.

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Capacity Forecast Charts	Forecast “days of supply” capacity at the rack, row, room, lab or data center level. View actual data, forecast trend and capacity limits on a line chart.
Trend Analysis Charts	Reduce downtime by establishing baselines and track long-term trends for energy consumption, power load, line current, temperature and humidity. Avoid project delays and downtime due to lack of power supply or circuit overloads.
Carbon Footprint Charts	Use Power IQ for eConnect to certify usage trends, and support carbon credit claims.
Energy Billback Charts	Drive energy conservation behavior by billing back energy consumption to users.
Failover Simulation Report	Improve uptime, and gain insight into array connectivity through non-intrusive failover simulation tests.
Ghost Server Report	Save operational and capital expenses and achieve maximum cooling and power efficiency through daily emails, which provide insight into the environment – by identifying racks and servers that are candidates for consolidation.
PDU Health Charts	Power IQ for eConnect Software allows you to easily spot power health incidents before they become serious problems.
Tabular Reports	Personalize and schedule formatted reports with easy auto create and email distribution settings. Receive reports such as Energy Bill-Back By Customer, Find Ghost Servers and Power Hogs, and Monthly Peak Power Reports.
Tag Groups	Create unlimited tag groups at any level within the system with easy-to-use tag pick lists to ensure data dictionary integrity, facilitates unlimited reporting.
Vendor Agnostic Power Control	
Agentless Graceful Operating System Shutdown and Outlet Control (Patented)	Energy Efficiency – Power IQ for eConnect helps reduce energy costs under normal operations, and extend battery life during power failure.
Remote Power On/Off of Outlets, IT Devices, Device Groups and Racks	Power IQ for eConnect enables remote power on/off operation for operational efficiency.
Vendor Agnostic Data Aggregation and Grouping	
Dynamic Plug-ins	Allow collection of trap, power and environmental information from any device.
Group Data Via IT Device, Customer/Department, Rack, Row, Zone and Building	Turn a large amount of detailed data into useful information, enhancing capacity planning and energy efficiency initiatives.

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Collect Power Data: Outlet Current and Active Power Line Current Draw and Available Current; Unit Active Power and Apparent Power	Power IQ for eConnect enables the use of one system for information aggregation.
Collect Environmental Data from Temperature and Humidity Probes	Find hot spots in the data center.
User Configurable Data Collection	The data polling can be configured from 15 seconds to 24 hours, and the system administrator can control this data retention period.
Open Data Model and Web Service API	
Open Database Connectivity	Provides flexibility to use own reporting system, such as Crystal reports or SQL, to store and analyze data. This saves training time and allows the creation of the exact custom reports required.
Web Service API	Operational Efficiency - Power IQ for eConnect easily integrates into systems and tools for event management, PDU management, power and sensor data, data center modeling, asset strip management and outlet management.
Power IQ for eConnect: A Sunbird DCIM Solution	Operational Efficiency – Power IQ and dcTrack DCIM solutions automatically share information about racks, PDUs and outlets. Add a rack in dcTrack, and it automatically updates Power IQ for eConnect. dcTrack displays rack PDU and sensor data collected by Power IQ.
Import and Export Data Via CSV File	Leverage data and information between DCIM, internal systems and organizations.
Data Center Monitoring	
Centralized Management	Consolidates names, polling status, locations, models and firmware for all rack PDUs into one screen, saving valuable management time.
Facility Object Monitoring	Monitor health, and collect data from all facility objects including CRACs, UPSs, Floor PDUs, Remote Power Panels, Rack PDUs, Branch Circuit Meters, Meters and Sensors.
Branch Circuit Monitoring	Efficiency – Monitor all branch circuits with any vendors BCM.
UPS Support	With support for compatible UPS devices, Power IQ for eConnect facilitates uptime, allowing you to monitor your floor and rack UPS alarms, collect power and battery data, review long term trend lines for watts, amps, battery - amps, volts and runtime and observe output and pole load percentage. In addition, Power IQ for eConnect tracks battery details such as status, capacity and seconds on battery, allowing you to know when your battery and output source needs to be replaced.
Monitoring for Alerts and Threshold Violations	Power IQ for eConnect reduces downtime occurrences with threshold violation alerts, which make you aware of incidents before they become problems.

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PDU System and Outlet Naming	The device naming capabilities of Power IQ for eConnect allow you to identify individual PDUs and outlets, or save time by naming PDUs in bulk. In addition, Power IQ for eConnect allows you to save names in an Excel file for future reference and updates.
Rack Level Thresholds	By allowing you to set critical warning thresholds by rack, Power IQ for eConnect software makes you aware of problematic trends before an incident occurs and improves uptime by alerting you to loss of redundancy and resiliency.
Bulk eConnect Configuration	Operational Efficiency - Saves time and improves accuracy for configuring common parameters across many PDU's.
eConnect Firmware Management	Operational Efficiency - Reduces time to administer firmware updates to eConnect PDU's
Trap filtering and forwarding	Improves uptime by enabling trap filtering parameters on one screen and forwarding them to one or more systems such as an NMS
Security	
LDAP/AD Integration	Power IQ for eConnect increases operational efficiency by easily centralizing your corporate authentication policies.
Trusted Host Definition	The 100% Web-enabled DCIM system provided by Power IQ for eConnect provides administrators with the option to restrict access to named hosts.
AES Encryption up to 256 Bits	Power IQ for eConnect protects your data with the industry's most secure encryption standard.

For Support, call 800.834.4969 or visit chatsworth.com/power-iq-econnect

About CPI

At Chatsworth Products (CPI), it is our mission to address today's critical IT infrastructure needs with products and services that protect your ever-growing investment in information and communication technology. We act as your business partner and are uniquely prepared to respond to your specific requirements with global availability and rapid product customization that will give you a competitive advantage. At CPI, our passion works for you. With over two decades of engineering innovative IT physical layer solutions for Fortune 500 and multinational corporations, CPI can respond to your business requirements with unequalled application expertise, customer service and technical support, as well as a global network of industry-leading distributors. Headquartered in the United States, CPI operates from multiple sites worldwide, including offices in Mexico, Canada, China, the United Arab Emirates and the United Kingdom. CPI's manufacturing facilities are located in the United States, Asia and Europe. ©2022 Chatsworth Products, Inc. All rights reserved.

About Sunbird

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 1,850 DCIM customers worldwide. For more information, please visit Sunbird-DCIM.com.

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chatsworth.com | 800-834-4969 | techsupport@chatsworth.com