

Data Center World 2023

It's massive! Legrand Group was overwhelmed during the Teck Week Singapore 2023 last 11th-12th October 2023. The conversations were so meaningful, and our team experts were very happy to discuss Legrand's solution on how to deal with different dilemmas in data centres now a days



PX4 Rack PDUs: The Power of Forward Thinking

Raritan's latest offering, the PX4 Rack PDU solves today's power needs AND anticipates tomorrow's power challenges. This intelligent PDU combines 30+ years of battle-tested intelligence with industry-proven outlet technology for unparalleled visibility, flexibility, and security.



Outpace

- High Density Outlet Technology
- C13 and C19 all-in-one outlets
- Alternating branch power distribution
- Outlet & cable locking
- 45-degree angled infeed

Outthink

- Power quality monitoring
- $\pm 0.5\%$ metering accuracy
- Circuit Breaker Trip Forensics with Waveform Capture
- Fully hot-swappable onboard iX9™ Controller

Outperform

- Xerus Technology Platform
- Unsurpassed security suite
- Redfish® RESTful API
- Hundreds of cataloged and customization options

Can Legacy Data Centers adopt Cooling Technology solution?

There are many reasons to want to get more from an existing data center, such as increasing revenue stream, removing hot spots, offering customers greater flexibility, or simply increasing the life cycle of the data center; the Usystems RDHx solution provides exactly that, and is the only truly retrofittable solution capable of achieving and overcoming restrictive issues within legacy data centers

- Usystems RDHx's are fully retrofittable onto any OEM Rack
- RDHx's can use the return water from the existing perimeter room cooling and chiller system
- RDHx's can be top and bottom fed as standard
- RDHx's do not affect baying racks on either side
- Full rear access to rack
- RDHx's are the only retrofittable solution capable of achieving all the restrictive issues within legacy data centers

For more details click here: [\(sales brochure\) link](#)



CL21
up to 29KW
cooling capacity

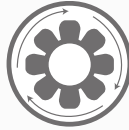


CL20
up to 93KW of
cooling capacity



CL23
up to 200KW of
cooling capacity

Savings and Benefits



Operational Efficiencies

- Increase hardware lifespan by removing hot spots
- Operates above dew point, no condensation management required with maintained humidity levels
- Rapid ROI and lower cost of ownership
- Vast reduction on Smart Hands Requests (service tickets)
- Increase computing capacity
- Save CapEx on building costs



Simplicity by Design

- Plug and Play
- Versatile deployment
- No Supplementary cooling
- Adaptive intelligence
- No specialist hardware or infrastructure
- Controls the whole room temperature
- Fast-track Data Center Planning and Deployment Strategy



Modular & Retrofittable

- Scalable
- Rapid Deployment
- Suitable for both legacy or new build environments
- Future-proofing
- Removal of raised floors and aisle containment
- Compatible with both warm and cold water supply

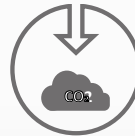
Energy



Up To 93% Energy Savings

- Energy Efficiency Ratio (EER) of over 100 at maximum capacity
- Average 15% reclaimed power for Compute by comparison to traditional cooling
- Potential Cooling PUE available of 1.035
- 3.5% RDC Power to Cool 100% Heat Load vs 38% traditional methods

Carbon



Reduction of CO2e up to 99%

- Isolating Global Warming Potential (GWP) gasses to one centralised area
- Reducing the volume of GWP gas significantly
- Over 50,000 trees worth of carbon saved per 1mW RDC deployment.

Real Estate



95% space saving of cooling white space for an equivalent deployment

- No need for supplementary Cooling.
- No area taken in the white space for coolant distribution

Water



Up to 100% water saving

- Higher water temperatures reduce the need for mechanical cooling, whilst maintaining ASHRAE A1 temperatures



DELIVERING PERFORMANCE

The Linkeo Data Center PDU platform has been designed to meet the daily challenges encountered in data centers to facilitate deployment and maintenance, to improve uptime and to provide accurate monitoring, while reducing human error hazards.

Providing accurate monitoring

+/-1% accuracy

Improving uptime

55°C rating aluminum chassis

Hydraulic magnetic circuit protection



Facilitating deployment and maintenance

Hot swappable controller architectures

High-density outlet modules



Reducing Human Error

Cord locking system

Numbered outlets

PDU Color-Coding



DELIVERING INNOVATION

The Linkeo Data Center intelligent PDU is based on DCIM Agnostic and Open API platform. It is available in standard Metered and Switched intelligent version. Each power configuration can be acquired with only the BASE, or with the NODE, IP controller mounted for extra connectivity. Standard PDU portfolio is available with both BASE-only and BASE+NODE configurations.





FEATURES

Revenue grade metering functionality within 0.5%

Monitoring of multi-circuit configurations

End feed and branch circuit models

Display and non-display versions

Standard integral web pages to easily configure meter attributes and view data

Wired Ethernet and serial communications are standard, optional 802.11n Wi-Fi connectivity

Ability to use both Serial and Ethernet protocols simultaneously

Telnet, SNMP, Modbus TCP/IP, BACnet TCP, http/https and Modbus RTU are also standard protocols

Available with daisy-chain Ethernet

Uniquely designed to provide the functionality needed for monitoring any facility's power use

Optional temperature monitoring

Both AC and DC versions are available

APPLICATIONS

Data Centers/Mission-Critical

Starline Critical Power Monitoring provides actionable energy management information for mission-critical environments.

Industrial

Due to its application-specific configurations, Starline Critical Power Monitoring enables customized power monitoring solutions required to maximize efficiency.

Submetering

Whether new installation or retrofit, Starline Critical Power Monitoring provides revenue grade metering functionality to support a wide range of circuit configurations and ratings.

PRODUCTS

Track Busway Critical Power Monitoring

Designed to provide the functionality required for both end feed and branch circuit applications.

Standalone Critical Power Monitoring

Mounts easily to electrical panels and enclosures using a standard knockout.