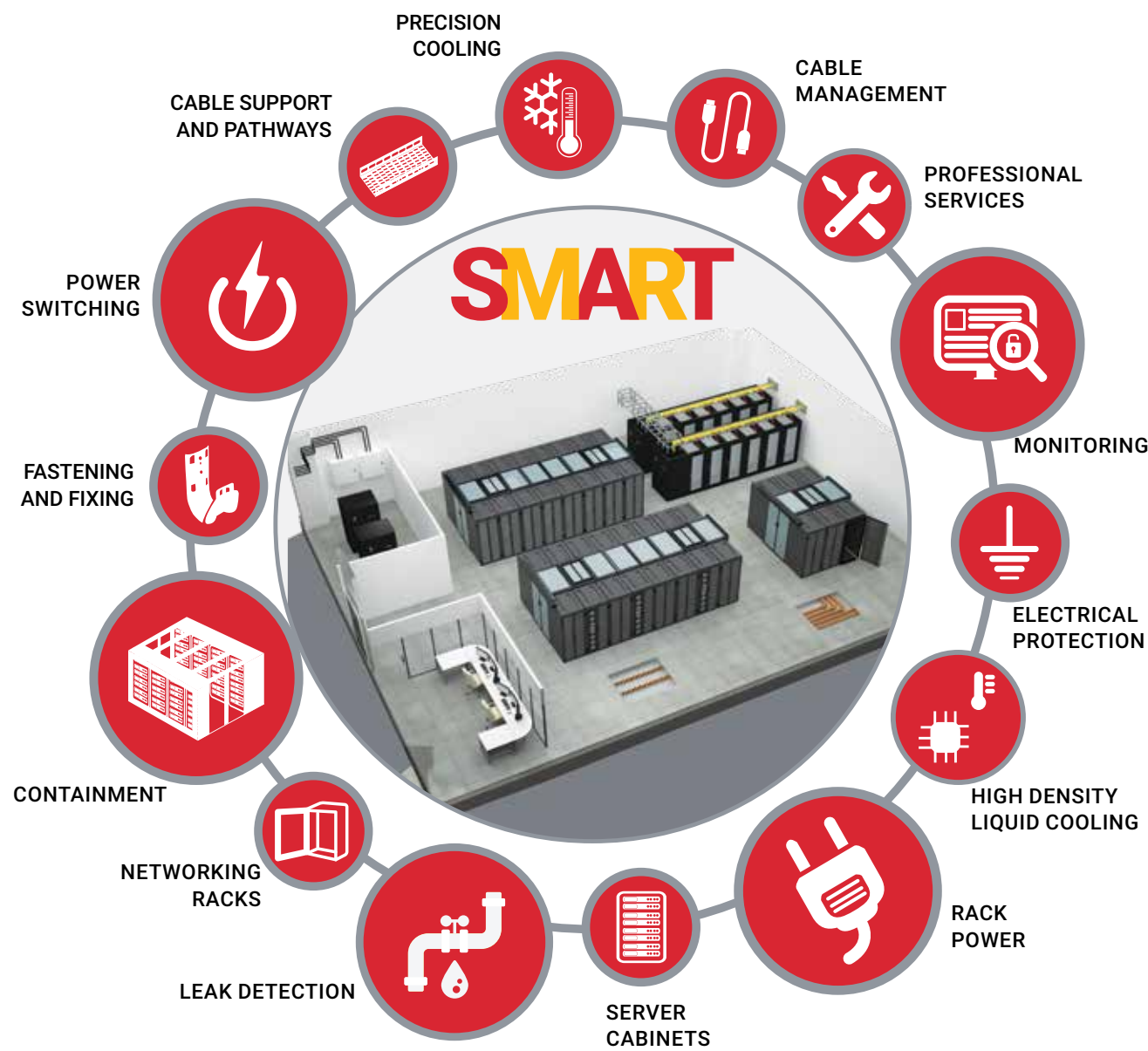# Rack Power

Infrastructure Under Control

nVent

CADDY   ERICO   HOFFMAN   RAYCHEM   SCHROFF   TRACER

nVent Support

Our smart rack solutions allows you to safely power, monitor, and support your smart infrastructure.

- PRECISION COOLING
- CABLE MANAGEMENT
- CABLE SUPPORT AND PATHWAYS
- PROFESSIONAL SERVICES
- POWER SWITCHING
- MONITORING
- FASTENING AND FIXING
- ELECTRICAL PROTECTION
- CONTAINMENT
- HIGH DENSITY LIQUID COOLING
- NETWORKING RACKS
- RACK POWER
- LEAK DETECTION
- SERVER CABINETS

SMART

CADDY
nVent CADDY includes fixing, fastening, and support products for high performance cabling systems designed to save installation time.

ERICO
nVent ERICO offers a full range of facility electrical protection products to protect data centers, network and other facilities.

HOFFMAN
nVent HOFFMAN offers a broad range of targeted networking enclosures and racks for protecting sensitive electronic equipment.

RAYCHEM
nVent RAYCHEM TraceTek leak detection solutions pinpoint the source of water and fuel leaks, providing you with critical information to take swift action and avoid damage.

SCHROFF
nVent SCHROFF brand offers modular and scalable server cabinets, aisle containment systems and active cooling solutions to perfectly fit customers' data center requirements.

80+
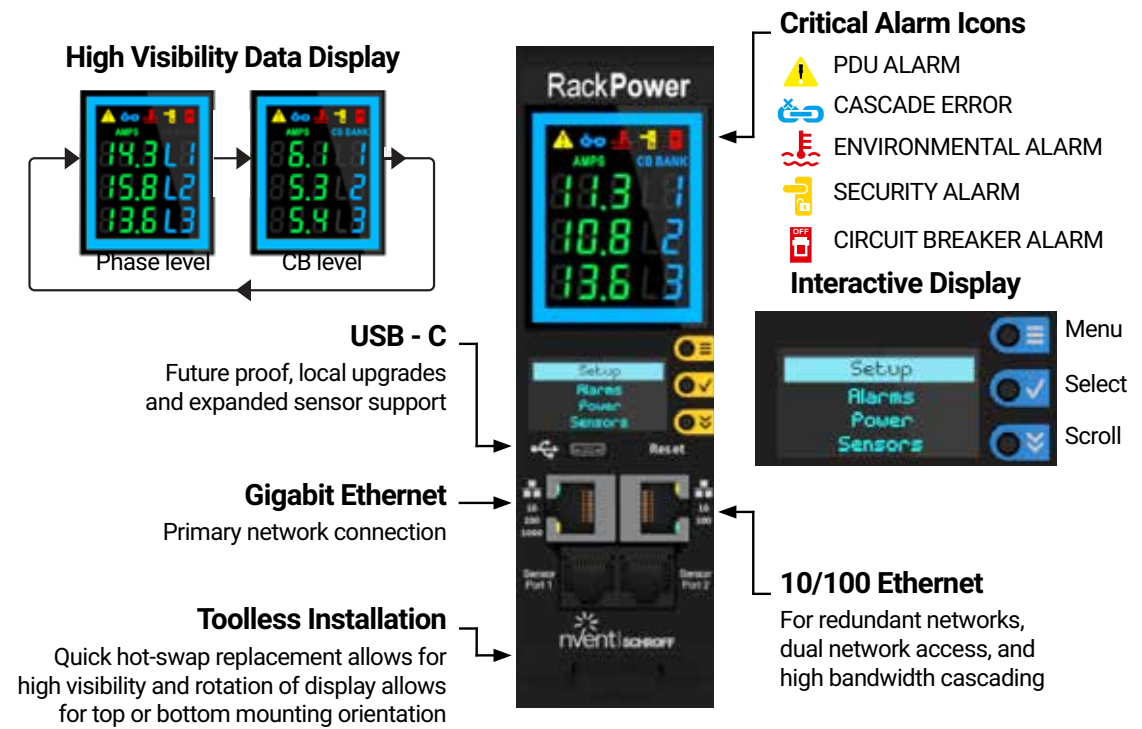Manufacturing, service, sales and distribution centres

30M+
nVent enclosures in use globally

400+
Patents

8800
Global Workforce

Manufacturing Sites

Advanced Network Management Controller (NMC)

High Visibility Data Display

Phase level   CB level

Critical Alarm Icons

⚠️ PDU ALARM

🔗 CASCADE ERROR

🌡️ ENVIRONMENTAL ALARM

🔑 SECURITY ALARM

CIRCUIT BREAKER ALARM

Interactive Display

Menu

Select

Scroll

USB - C

Future proof, local upgrades and expanded sensor support

Gigabit Ethernet

Primary network connection

Toolless Installation

Quick hot-swap replacement allows for high visibility and rotation of display allows for top or bottom mounting orientation

10/100 Ethernet

For redundant networks, dual network access, and high bandwidth cascading

BEST-IN-CLASS MICROPROCESSOR

Cortex A5 Microprocessor
256MB RAM, 256MB Flash

REMOTE CONNECTIVITY

https://
SNMP
{JSON}
SSH

POWERFUL OS PLATFORM

Linux

ADVANCED WEB PLATFORM

React

Data Efficient & Native Mobile Device Support

SOFTWARE INTEGRATION

Easy integration with most DCIM software

Sunbird   CORMANT DCIM And Beyond   FNT   Nlyte Software

truxureWare   tuangru   iTRACS A CommScope Company   smartzone by PANDUIT

IPDU Feature Set

Combo Outlets

Flexible and future-proof 2-in-1 and 4-in-1 outlets

High Accuracy Metering

±1%

(V, A, VA, W, kWh, pf) Billing - grade accuracy

Advanced Networking

For future proofing and redundancy

Toolless Hot-Swap NMC

For maximum availability and future upgrades

Environmental Monitoring and Access Control

With plug and play support for up to 8 digital sensors

Best-In-Class Warranty

5 YEAR

For investment protection

Ultralow Profile Design

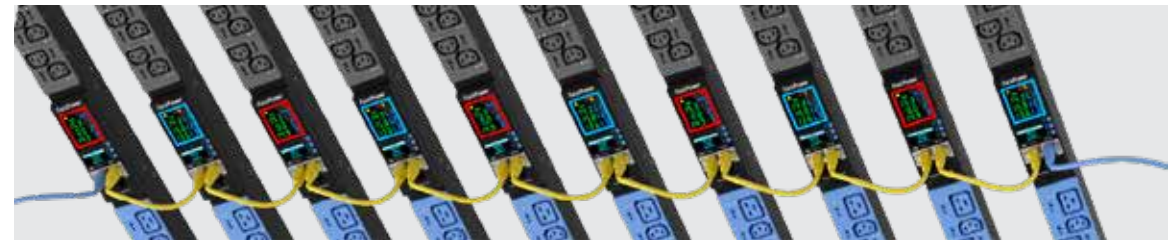For easy equipment access

User Defined Electronic Color Coding

For easy power source identification

IP Cascading

Manage up to 64 PDUs through a single IP address

DC Power Sharing

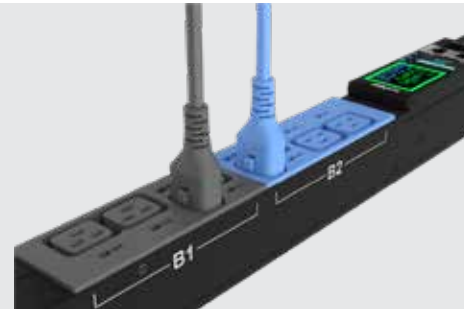Two-way power sharing for an always-on network management and alarms

Color Coded Outlets by Circuit Breaker

Visual phase and load bank identification for reduced human error
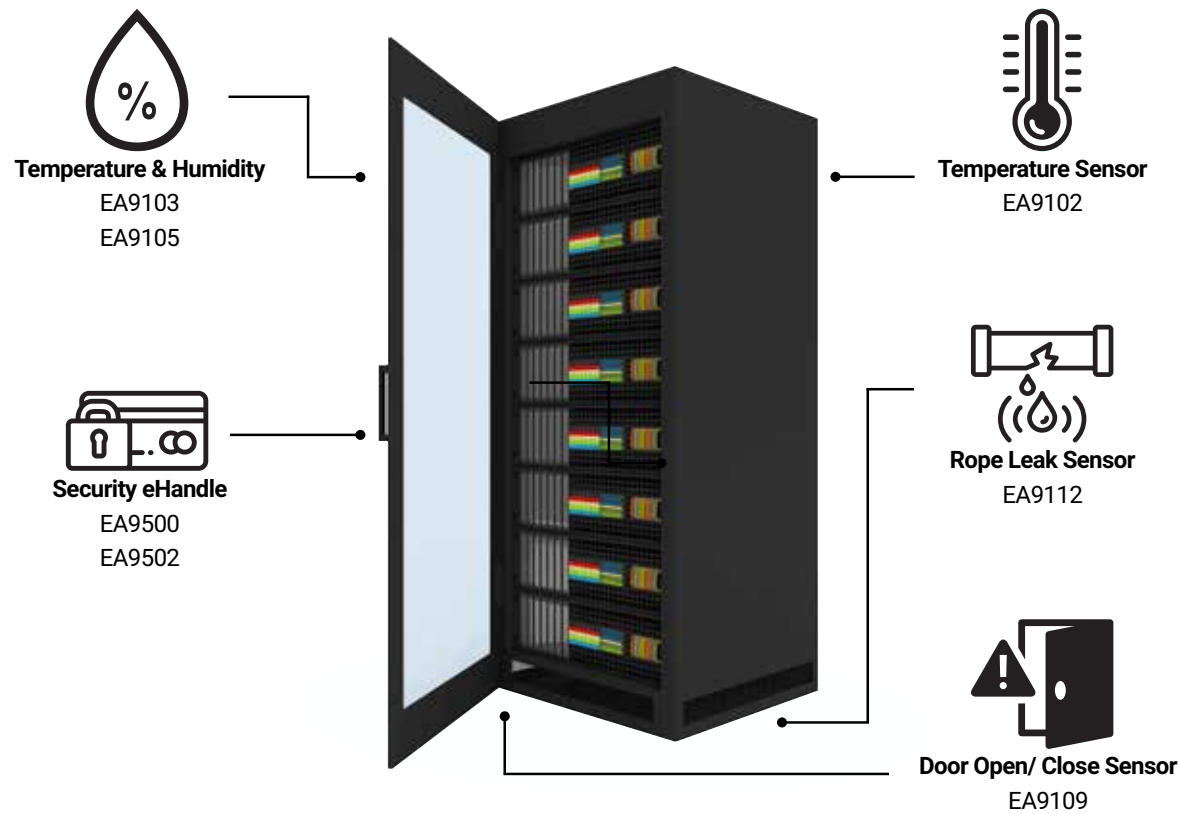
IP CASCADING WITH DC POWER SHARE

Locking Power Cords

PDUs can directly connect and manage up to 8 plug-and-play environmental and management devices.

Environmental & Security Monitoring

Temperature & Humidity
EA9103
EA9105

Security eHandle
EA9500
EA9502

Temperature Sensor
EA9102

Rope Leak Sensor
EA9112

Door Open/ Close Sensor
EA9109

Global Compliance Standards

All CIS products strictly meet all applicable global standards
for safety, environmental, electromagnetic interference, and quality.

	BASIC PDU RB0000	PDU Metered RP1000	PDU METERED, OUTLET SWITCHED RP2000	OUTLET METERED, OUTLET SWITCHED RP6000
Circuit breaker load monitoring and alerts ■ Monitor total load for each circuit breaker ■ Measure circuit breaker loads across redundant feeds to avoid accidental downtime ■ Enables smart load balancing for power efficiency and maximized capacity utilization		√	√	√
PDU energy metering ■ PDU level power & energy metering (W, kWh) ■ Input Phase level power measurements (V, A, VA, kWh, pf) ■ High-Accuracy, billing-grade metering tested to ISO/IEC 62053-21 (± 1%) standard ■ Data logging for capacity planning & troubleshooting ■ User customizable alarm thresholds & notifications		√	√	√
Outlet level switching ■ Remote On/Off power control for every individual outlet ■ User-defined power-on time delay to sequence IT equipment ■ Automatic power-on sequencing to avoid inrush current overload ■ Disable unused outlets to avoid accidental overload and unauthorized use ■ Outlet level user security with assignable roles and user access			√	√
Outlet level energy metering ■ Power and energy metering at each individual outlet to measure loads of attached equipment ■ Outlet level watt-hour energy metering (kWh) ■ Outlet level power measurements (V, A,VA, W, pf) ■ High-Accuracy, billing-grade metering tested to ISO/IEC 62053-21 (± 1%) standard				√
PDU design features ■ Low profile, space saving design ■ Ultra low profile circuit breakers on most models ■ Flexible tool-less mounting system ■ Color-coded outlets and circuit-breakers ■ Locking IEC outlets and 2-way locking power cord compatible ■ Customizable colored chassis options available	√	√	√	√
Network management controller ■ High-Performance ARM A5 processor with advanced network management ■ Dual network ports: Gigabit and 10/100 Ethernet ■ Redundant ethernet connectivity for each PDU ■ Comprehensive connectivity options include SNMP, HTTPS, SSH, JSON, Redfish API, and others ■ Strong encryption, passwords, and advanced authorization options including LDAP/S, and Active Directory ■ IP Cascading allows management of up to 64 PDUs and 512 sensors through a single Ethernet connection ■ User changeable color display options to update the NMC to one of six custom colors			√	√
Local information displays ■ Dual displays permit both easy-to-view critical data and local user interaction ■ Industry's largest display with high visibility phase, circuit breaker, and alarm icons ■ User interface allows users to configure and access data locally			√	√

Our powerful portfolio of brands:

CADDY   ERICO   HOFFMAN   RAYCHEM   SCHROFF   TRACER

nVent

nVent.com