

Nominee: Panduit Europe Ltd

Nomination title: SmartZone G5 Intelligent PDUs – Best in class outlet density, optimal form factor with superior reliability

Panduit's extensive experience in intelligent infrastructure systems and products, within enterprise and data centre environment provides the platform for the development of innovative and application focused technologies and products such as the SmartZone G5 Intelligent PDU portfolio. Working together with its alliance partners including global technology innovators such as Cisco and Rockwell Automation ensures developments meet the requirements of partners, customers and industry now and provide upgrade features to ensure extended life cycles. From the data centre to the office and on to the plant floor, Panduit creates the physical, electrical and network infrastructure that is the framework for the data economy.

Key Distinguishing Features:

Panduit's SmartZone G5 iPDU portfolio offers a range of PDU solutions to the increasing density needs of the server environment. Driven by the growing volume of data from connected devices and the requirement to reduce maintenance schedules, eliminate unforeseen downtime and increase real-time system and environmental monitoring and control, the SmartZone G5 iPDU portfolio provides best-in-class outlet density, optimised form factor and superior reliability to monitor data centre power, environment and security at cabinet level. When speed is essential, there is 1G Redundant Network Access, in 2N configuration, a must for network redundancy, Colocation or tenant use.

Green Grid and PUE compliance, together with the increase in server capacity within data centre technology halls, intensifies the responsibility on data centre operators for granular measurement. Therefore, making it essential that operators have monitoring and control capability at the individual server level. SmartZone G5 iPDU families have industry leading outlet level power monitoring and outlet level switching capabilities for individual outlets or groups of outlets. Power monitoring at the individual outlet level provides actionable management data on the power consumption of each connected IT device enabling remote redeployment or decommissioning of individual servers to reclaim available or under-used power capacity.

Tangible impact on market and customers:

The SmartZone G5 iPDU provides comprehensive, accurate, energy measurement data to allow data centre operators to efficiently use power resources. Through highly accurate, billing grade metering capabilities, operators can make informed capacity planning decisions, improve uptime, help measure PUE, drive green data centre initiatives to save energy and costs. Users can define power-on time delay to sequence IT equipment and as well as automated sequencing capabilities to avoid in-rush current, leading to equipment overload. The SmartZone G5 iPDU portfolio also



provides physical security to prevent unauthorised cabinet access. Designed with customers' needs in mind, these high-density iPDU's ensure optimised airflow, access and sight lines are uninterrupted.

Product Differentiators:

Panduit's research and development facility provides comprehensive data centre and enterprise test environments – including industry leading cabinets and enclosure systems - that ensure the SmartZone G5 iPDU was developed in surroundings that demanded the full scope of the products' capabilities were physically tested. The SmartZone G5 iPDU offers hot swappable network module which also incorporates the daisy chain capabilities, allowing four G5 iPDU's to be connected providing availability to up to 32 environmental sensors through a single IP address. The Network Module also offers the largest-in-class, high visibility, OLED graphics bars display for easy Phase Load Balancing. Moreover, it offers full featured network management and alarm capabilities supporting HTTP, HTTPS, SSH, Telnet, SNMP, FTP and email. Access is authorisation driven, with encryption, passwords and advanced options including local permissions, LDAP/S and Active Directory.

Environmental and physical security management, is again industry leading with optional Plug and Play environmental sensors including temperature, humidity, dry contact and water leak detection. The G5 iPDU also offers physical security, such as, door contact switch to monitor each time the cabinet or enclosure is accessed. All alerts and alarms are user customisable.

Why nominee should win#

- SmartZone G5 iPDU provides a low-profile, space saving design, which is compliant with industry standard rack configurations and includes field reconfigurable input cords for front or top mounting.
- SmartZone G5 iPDU offers up to 5-year extended warranty across the portfolio of products, ensuring customer confidence.
- G5 iPDU offers hot swappable controller with the industry's largest OLED display and high contrast ratio, for maximum ease of use.
- It provides industry leading security with (SNMPv3 and RESTful/TLS) advanced asymmetric encryption, validated and hardened with multiple security scanning tools.
- Low profile design saves rack space and ensure good access and air movement in the cabinet.