

PRODUCT SOLUTIONS BRIEF
PANDUIT

DATA CENTER POWER OPTIMIZATION



Through our strong global partnerships and alliances with manufacturers such as Panduit, we are able to present you with the following offering to meet your specific data center requirements.

Gen 5 Rack PDU

The SmartZone G5 Intelligent Power Distribution Unit (iPDU) monitors the power and environment at the cabinet level by continuously scanning for electrical circuit overloads and physical environmental conditions that place critical IT equipment at risk.

You no longer need a separate piece of equipment (i.e., Gateway or other 1RU appliance) to manage cabinet access. The innovative high-power microcontroller can manage electronic rack access directly through the iPDU.



The hot swappable controller, highly visible OLED display, GB Ethernet port, PDU daisy-chaining and digital sensor ports set the Gen 5 PDU apart.

CHALLENGE SOLVERS

- Hot swappable controller module (the heart of the intelligence) can be replaced without having to power down.
- Embedded configuration file in the chassis eliminates the need to reconfigure the iPDU after the controller has been replaced.
- Redundant Network Access (RNA) is designed to add network redundancy to the cabinet or create two separate secure networks, making it ideal for colocation installations.
- 1 GB network connection eliminates the need to manually configure industry-standard network switches to run at the slower 10/100, resulting in savings of IT labor during commissioning.

THE ANIXTER APPROACH

- **Facility power**
Design scalable solutions that cater for data center growth and flexibility.
- **Building distribution**
Adopt an integrated power solution that can be metered, monitored and designed for continuity.
- **Data hall distribution**
Consider highly efficient solutions that maximize power quality and minimize operational expenses.
- **Cabinet distribution**
Deploy intelligent PDUs that generate alert notifications that mitigate human error.
- **IT equipment**
Install as a minimum 208 V or 230 V inputs and universal locking cords to enhance efficiency and improve uptime.

THE PANDUIT SOLUTION

HIGH OPERATING TEMPERATURE

High-temperature components tested to withstand 60°C at full load

GB ETHERNET

Eliminates the need to manually configure network switches to run slower

DIGITAL PLUG-AND-PLAY SENSORS

Saves times and increases accuracy

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PANDUIT®

WHAT WE HEAR

Challenges from various data center stakeholders:



Cannot gauge **CAPACITY** needs



Budgeting of unpredictable **IT REQUIREMENTS**



Lack of **TOTAL POWER CHAIN** visibility



PREVENTING accidental outages



PERFORMANCE vs. COST

Infrastructure as a Platform
by Anixter

Infrastructure as a Platform by Anixter provides a practical, configurable and integrated approach to retrofitting or building an intelligent power chain into your data center environment.

CONFIGURE

We help you discover and map your specific needs to the best solution.

- Monitored input
- Monitored switched
- Monitored per outlet
- Monitored and switched per outlet

BUNDLE

Your validated, preconfigured solutions are packaged and site ready.

- Temperature plus humidity sensors
- Water rope sensor
- Electronic swinghandle
- Dual locking power cords (10 packs)

DEPLOY

Controlled, repeatable solutions are delivered on time and under budget.

- Custom packaging and labeling
- Time-sensitive delivery options
- Staged project shipping
- Tailored last-mile delivery

PANDUIT GEN 5 RACK PDU FEATURES

✓ MONITOR POWER CAPACITY

- Digital environmental and access sensors allow for multiple data points on the same bus as well as self-identification to the iPDU firmware, resulting in additional savings in labor by eliminating the need to manually identify sensors in the firmware.
- Designed with the highest quality components, allowing them to be rated at 60° C at full load for an extended period of time, not requiring the need for de-rating.
- 180 degrees mechanically symmetric to accommodate overhead or underfloor power with the same part number—simply rotate the hot swappable display.
- Many form factors to choose from, including the exclusive dual-sided, side-mounted PDU, which minimizes the egress into the EIA space to a point never seen before.
- Hardened security with (SNMPv3 and RESTful/TLS) with certificate-based advanced asymmetric encryption, validated and hardened with multiple security scanning tools.



An integrated slot for the cable tie positively negates the effects of vibration and gravity, while maintaining outlet density.

> FOR MORE DETAILS VISIT [ANIXTER.COM/SHOPPANDUIT](https://www.anixter.com/shoppanduit)

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For over 30 years, Anixter has been the leading global, value-added distributor of physical layer communication infrastructure solutions for office, building and campus environments. As experts in large-scale project execution, we are a trusted supplier to leading communication integrator companies and have worked with many Fortune 500 companies.

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