

## IS YOUR DATA CENTER PREPARED TO HANDLE THE RISING ENERGY DEMANDS?

With the rising growth of digital usage, the challenge to manage electrical power, reduce carbon emissions, and increase energy efficiency in data centers has never been more pressing. To address this challenge, it is crucial to strike a balance between AI expansion and sustainability.

### Paving the Way for a Green Data Center



## Improving Power Efficiency with **Network Equipment Technologies**

### 1. Dual Airflow Management

Effective ventilation ensures warm air can escape freely while drawing in external cold air to maintain optimal temperatures within the switch. UfiSpace takes the requirement into consideration and optimizes the thermal design to support both directions of airflow incorporating with front-to-back or back-to-front fan and PSU modules.

### 2. Intelligent Thermal Policy

UfiSpace employs a Baseboard Management Controller (BMC) and temperature sensors covering most of the key components to monitor switch health conditions. Multi-level fan utilization control based on the system temperature to ensure the stable and optimal system performance.

### 3. Micro-venting Technology

UfiSpace employs advanced micro-venting technology, reducing the wall thickness of venting hole to just 0.3mm and maximize the area of ventilation aperture. This innovation increases the venting ratio by up to 80%, facilitating efficient airflow of the system

### 4. 80 PLUS Certification

80 PLUS serves as a performance certification for power supply units, signifying that a power supply is at least 80% efficient across 20%, 50%, and 100% workloads.

***This is your sign to embrace sustainability for a greener tomorrow. Join us in transforming the future of data centers today.***