ufiSpace

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

Efficient Cooling

Utilize advanced cooling systems to consume less energy in maintaing temperatures

Building Design

Green

Use eco-friendly materials and smart design techniques to reduces energy usage



Center

E-Waste Recycling

Recycle old IT equipment to help recover valuable materials and reduce

Energy-Efficient Hardware

Invest in energy-efficient servers, storage, and network to reduce energy consumption per hardware unit

Renewable Energy

Acquire renewable sources and embrace green energy for operations

Operational Optimization

Continuously monitor and adjust operations to maximize efficiency

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.

© Copyright 2024 UfiSpace Co. The information contained herein is subject to change without notice. UfiSpace shall not be liable for technical or editorial errors or omissions contained herein.