

Cold aisle and micro-modules



Overview

A modular kit that is part of a rack aisle containment system which provides upper rack cooling management between rows of racks to prevent hot air exhausted by network equipment from recirculating to rack intakes. Essentially creating a room within the aisle, the system helps keep hot and cold air separated to make existing air conditioning systems in data center and edge-of-network. What is Cold Aisle Containment and how does it help energy efficiency?

Cold Aisle Containment isolates the cooled supply air from the cooling units within direct proximity of the air intake of critical equipment. This ultimately creates an even and consistent supply temperature to the intake of data center equipment and electronics, while the returning air is warmer and drier when it. Beyond implementing basic measures such as sealing moisture out of the data center and improving air flow, aisle containment to prevent the mixing of hot and cold air stands out as a method that can dramatically reduce energy costs, minimize hot spots and improve the carbon footprint of data. The modular data center indicated here is built with a number of racks,

UPSs, power distribution cabinets, power distribution units, air conditioners (in-row cooling) and more equipment that provides network, cabling, and monitoring functions and operates independently. All components of the module. with simple, efficient, and reliable data center solutions.

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with simple, efficient, and reliable data center solutions. It's a modular-designed, highly integrated solution which comprises power supply, cooling, rack & structure, cabling and management system ...



The Cloud Series Aisle Containment System is a modular, row-based thermal containment solution, which separates cold and hot air from equipment to the data center. It manages airflow at the source, ...



The components are organized into modular kits and come with assembly hardware for easy step-by-step installation. Depending on your hot-aisle/cool-aisle needs, you can select from an assortment of ...



Cold aisle containment can be used with or without conventional raised floor cooling. It is easily retrofitted into existing raised floor data centers and works in tandem with the raised floor as well as ...



- High-efficiency integrated power distribution and closed cold and hot aisles, leading in power density and energy efficiency in the industry.
- Supports various configurations of single-row or double-row ...



The modular cold aisle system is a core component of the micro-module data center, specially designed to meet the development needs of cloud computing, virtualization, centralization, and high-density ...



Cold aisle containment systems use doors at aisle ends, ceiling panels or lids above racks, and structural frames to create enclosed zones where cold supply air flows directly to IT equipment ...



AZE's hot and cold aisle containment systems are your solution. They separate cold air being supplied to your equipment from hot equipment exhaust air and enable greater cooling efficiency from data ...



Micromodule data center refers to a complete data center which can be backed up by multiple micro-modules with independent functions and unified input and output interfaces and micro-modules in ...



The cold or hot aisle containment system in the modular data center can increase the utilization rate of the air conditioning to save energy and reduce consumption.

Contact Us

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