

RIVO MULTITRADE OPTICAL SYSTEMS

Integrated cable tray cold aisle wall-mounted manufacturer



Overview

Aisle Containment Our aisle containment systems are vendor agnostic, featuring innovative, transparent panels that are Data Center White Space & Grey Space.

Key Takeaways

Leading manufacturers of integrated cable tray cold aisle wall-mounted systems include Belden, Vertiv, Polargy, Legrand, and Panduit, offering modular, scalable, and pre-engineered solutions for data center containment and cable management. Key Manufacturers and Solutions



Belden provides aisle containment systems that are vendor-agnostic and feature lightweight, transparent panels attachable horizontally or vertically to cabinets using a universal rail system. Their solutions support both hot- and cold-aisle containment and integrate with fire suppression and safety systems, enhancing energy efficiency and operational safety in data centers . Vertiv offers adaptable aisle containment systems that can be deployed before or after rack installation. Their freestanding, rack-independent systems are compatible with raised floor and slab data centers. Vertiv solutions allow integration with fire suppression systems and include optional height adapters for cabinets of varying sizes, supporting flexible deployment and efficient airflow management . Polargy specializes in structural hot and cold aisle containment (SHAC) systems that integrate cable trays, power busways, and aisle containment into a single solution. Their modular structural ceiling systems simplify coordination of MEP infrastructure and optimize cooling efficiency while supporting scalable, high-performance data center environments . Legrand provides the Contain-IT FLEX system, a modular cold aisle containment solution that can be assembled on-site. It supports cabinet- or ceiling-mounted configurations, pre-fabricated components, and seismic-rated options. Legrand's T-Series and T6 cabinet platforms can be shipped fully loaded, offering fast, built-to-order configurability and integrated cable management . Panduit offers cold aisle containment systems with integral roofs and universal wall beams that form the backbone of containment infrastructure. Their adjustable vertical walls and end-of-row frames optimize airflow and cooling efficiency while supporting integrated cable trays. Panduit's solutions are designed for single-row or multi-row data centers, providing modularity, scalability, and enhanced thermal performance .

Considerations for Selection

- **Modularity and Scalability:** Ensure the system can adapt to future expansion or reconfiguration.
- **Integration with Cable Management:** Look for solutions that allow seamless routing of power and data cables within the containment structure.
- **Compatibility:** Verify compatibility with existing racks and raised floor or slab environments.
- **Pre-fabrication and On-site Assembly:** Pre-cut or pre-assembled components can reduce installation time and complexity.
- **Safety and Compliance:** Systems should support fire suppression, seismic requirements, and thermal management standards. These manufacturers provide comprehensive solutions for wall-mounted cold aisle containment with integrated cable trays, enabling efficient airflow management, energy savings, and reliable operation in modern data centers.

Article Content

COLD & HOT AISLE CONTAINMENT SYSTEM

C channels, cable trunkings, cable fixers, Ground copper blocks, Multi-function support hanging system, 19 " Network cabinets, 19"

Aisle Containment Solutions | Data Center Resources

The self-supported structure features several mounting options for integrating numerous infrastructure items including cable trays,

DYNAMAX Structural Aluminum Data Center Grid | Armstrong Ceiling ...

DYNAMAX is a strong, flexible grid system that supports point loads up to 900-pounds, designed to handle cable trays and heavy

Unistrut Construction

This flexible solution is available for Hot and Cold Aisle containment with integrated strut elements to support cable tray, wire basket,

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

