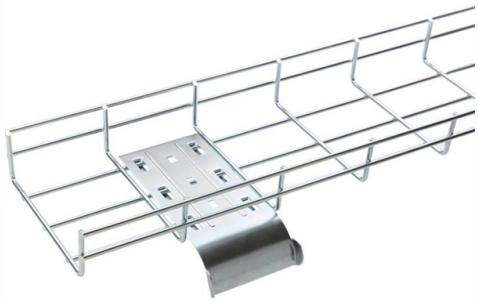
Huawei Network Data Center Rack Setup Method



Overview

Mount the device in the cabinet or rack. Lift the device and move it into the cabinet or rack. Align the mounting holes on the mounting brackets with the floating nuts.

Key Takeaways

Huawei data center racks should be installed with proper spacing, grounding, and alignment, following manufacturer guidelines for device mounting, cable management, and intelligent rack configuration.

Device Mounting in Racks

When installing devices in a Huawei cabinet or rack, ensure sufficient clearance for heat dissipation: at least 50 mm on both sides and the rear of the device. Mounting brackets must be horizontally aligned on the left and right rails to prevent distortion. Use M4 screws to attach brackets to the chassis, and floating nuts on the front rails to secure the device with M6 screws.

Maintain 1 U spacing between devices in the same rack and 150 mm between devices in different racks for airflow and maintenance access.

Grounding and Power Connection

Before connecting power, attach the ground cable from the device to the cabinet ground point. If a cabinet ground bar is available, connect the device ground to it. Ensure the power supply meets the device requirements, such as 380–415 V AC, 3-phase, 50/60 Hz for FusionModule2000 systems.

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Proper grounding prevents electrical hazards and ensures stable operation.

Cable Management

Relocate the cable manager to align with the device height. Use an insulated flat-head screwdriver to insert floating nuts into the rack rails, ensuring they are level on both sides. Organize power and network cables to avoid obstruction of airflow and maintain accessibility for maintenance.

Intelligent Rack Deployment

Huawei Cloud offers iRack and iMetal intelligent racks for deploying server hardware. Purchase racks via the CloudDC console, select the appropriate resource type, and ensure prepaid billing and sufficient account balance. After deployment, you can manage rack details, view server information, and export rack data through the web-based console.

Intelligent racks simplify monitoring, connectivity, and integration with Huawei Cloud services.

Additional Considerations

Maintain adequate spacing between racks for aisle containment and cooling efficiency. Integrate optional systems like fire control linkage and water softeners if required by the data center environment. Verify that the cabinet or rack is securely fixed and that AC installation positions are properly arranged before mounting devices.

Following these steps ensures a safe, efficient, and maintainable Huawei data center rack setup, supporting both physical hardware and intelligent management capabilities.

Article Content

Scenario 1: Installing a Device in a Cabinet or Rack

Mount the device in the cabinet or rack. Lift the device and move it into the cabinet or rack. Align the mounting holes on the mounting brackets with the floating nuts.

FusionModule2000 Smart Modular Data Center Installation Guide

Use an insulated flat-head screwdriver to insert floating nuts into the device mounting holes in the rack rails of the network cabinet. Ensure that the floating nuts on both sides are on the same horizontal line.

Purchasing an Intelligent Rack_Cloud Data Center-Huawei Cloud

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If you want to deploy your own server hardware in Huawei Cloud equipment rooms, you need to purchase intelligent racks on the management console. This section uses the separate order

Managing an Intelligent Rack_Cloud Data Center-Huawei Cloud

You can use a web-based console to view the details of an intelligent rack where an iMetal server is deployed or view iMetal server details by iRack. You can also import or export iRack

Huawei Data Center Facility Handbook 20230425-1 | PDF

It provides an overview of their modular UPS solutions, modular data center solutions, smart cooling solutions, prefabricated modular data centers, and smart DC management systems.

HUAWEI FUSIONMODULE2000 INSTALLATION MANUAL Pdf

Use a pallet truck to transport the cabinet secured to a wooden support to the installation position. Step 1 Unpack the carton labeled "Contain Packing List" and take out the Packing List. Step 2 Check all

HUAWEI FUSIONMODULE2000 INSTALLATION MANUAL Pdf

Purpose This document describes the site requirements for installing the FusionModule2000 smart modular data center (FusionModule2000 for short) as well as the methods for installing cabinets,

FUSIONMODULE2000 SMART MODULAR DATA CENTER

Use a pallet truck to transport the cabinet secured to a wooden support to the installation position. Insert the forks of the pallet truck in the middle position to ensure balance. Choose railways, sea, or a road

Huawei DCN Design Guide

Based on Huawei CE series data center switches, this book describes basic design principles and some necessary background knowledge of data center networks. It also applies to design of most data

Rapid deployment of Huawei FusionModule2000 Modular Data Center

The video presents how the FusionModule2000 is deploy in 8 hours by 2 supervisors, 5 labours, and 3 movers.

Network Rack Installation 101 – VCELINK

Master server and network rack setups effortlessly with easy steps, pro tips, and best practices for beginners, DIYers, and pros!

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Setting Up a Server Rack – Server Rack Installation

If you want to learn more about the correct way of equipment installation, you''ll find a network rack installation guide in this article. Server Rack

Smart Micro Modular Data Center Solutions

Discover Smart Micro Modular Data Center Solutions with One Row One DC, delivering integrated power and cooling, flexible scalability, and reliable

FusionModule2000 Smart Modular Data Center V500R002C03 Installation ...

modular data center (FusionModule2000 for short) as well as the methods for installing cabinets, devices, and cables, providing installation guidance and technical support for onsite

Overview

Chapter 1 provided an overview of the CloudEngine series data center switches. Chapter 2 will elaborate on the deployment of switches in data center equipment rooms, that is, the physical architecture.

Installing a CE7800 or CE6800 (600 mm Deep) Switch in a Cabinet/Rack ...

Tools and Accessories Before installing a switch, determine the directions of its port side and power supply side in the cabinet/rack (referred to as cabinet in the following descriptions). Determine the

Server Rack Configuration and Cable Management

He is the principal author of the Cable Management Blog, where you can find network cable management ideas, server rack cabling techniques and

Huawei AI Data Center Design Guide

The document outlines Huawei''s AI Data Center Reference Design, presenting two main construction paradigms: prefabricated modular solutions and steel structure solutions, each tailored for different

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.

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