

How to connect the support legs of the cable tray to the server rack



AI Overview

Cable tray support legs are typically attached to server racks using brackets or mounting hardware that align with the rack's vertical posts, ensuring stability and proper cable management.

Step-by-Step Guide

- 1. Verify Rack Compatibility** Ensure your server rack is a four-post rack, as two-post racks generally do not support cable tray legs securely. Check that the rack conforms to EIA-310 or ANSI standards and that the vertical posts have pre-drilled mounting holes spaced according to the rack unit (U) measurements.
- 2. Select Appropriate Support Hardware** Use L-brackets, U-brackets, or adjustable mounting arms designed for cable trays. These brackets should match the width of the rack (commonly 19" for network racks) and the cable tray's dimensions. Ensure the hardware can support the weight of the cables and any future expansion.
- 3. Position the Cable Tray** Determine the height and orientation of the cable tray relative to the rack. Typically, trays are mounted above or alongside the rack to allow cables to enter and exit without sharp bends. Maintain at least 1-2 inches of clearance from the rack to prevent interference with installed equipment.
- 4. Attach Support Legs to the Rack** Align the bracket holes with the rack's vertical post holes. Use rack screws or bolts provided with the rack or tray kit to secure the brackets. For adjustable legs, ensure the legs are level and the tray is horizontal. Tighten all fasteners securely, but avoid over-tightening to prevent damage to the rack or tray.
- 5. Grounding and Safety** If the cable tray is metallic, ground it to the rack or building grounding system to prevent electrical hazards. Verify that the tray does not obstruct airflow or access to rack-mounted equipment.
- 6. Route and Secure Cables** Once the tray is mounted, route cables neatly using Velcro straps, D-rings, or cable ties. Avoid overloading the tray and maintain proper...

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