

Network Wall-Mounted Cabinet Size Standards



Overview

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

Key Takeaways

Wall-mounted network cabinets typically follow the 19-inch rack standard and are available in heights ranging from 4U to 24U, with depths from 12 to 28 inches depending on equipment needs.

Standard Dimensions

Height: Wall-mounted cabinets are measured in rack units (U), where 1U equals 1.75 inches (44.45 mm). Common heights include 4U, 6U, 8U, 9U, 12U, 18U, and 24U, allowing flexibility for small to medium network setups . **Width:** The internal mounting width is standardized at 19 inches (482.6 mm), ensuring compatibility with most networking equipment such as switches, routers, and servers . **Depth:** Depth varies depending on the cabinet type and intended use. Typical wall-mounted cabinets have 12-inch or 18-inch depths for compact installations, while swing-out or reinforced cabinets can reach 28 inches to accommodate larger or heavier equipment .

Load Capacity and Construction

Wall-mounted cabinets are designed to support varying loads. Standard cabinets can handle up to 300 lbs, suitable for edge computing, IoT, and small network applications . They are usually constructed from rugged welded steel and may include locking doors, side panels, and swing-out sections for easy rear access .

Types of Wall-Mounted Cabinets

- Fixed Wall-Mount Cabinets: Compact, low-profile, ideal for small networks or limited floor space. Typically support 4U to 8U of equipment .
- Swing-Out or Reinforced Cabinets: Provide 28-inch depth and swing-out access for medium to large equipment, suitable for retail, educational, or edge computing environments .
- Vertical Wall-Mount (VWM) Series: Positions equipment vertically, supports 4U to 8U, and allows dual-user access with full or split doors .

Standards Compliance

Wall-mounted cabinets adhere to EIA-310 and TIA standards, ensuring consistent rack unit sizing and 19-inch width compatibility. IEC standards guide mechanical strength, environmental protection, and ventilation clearances, which are critical for preventing overheating and ensuring proper cable management .

Summary

When selecting a wall-mounted network cabinet, consider:

- Height (U): Based on total equipment height
- Depth: 12-28 inches depending on equipment size
- Load capacity: Up to 300 lbs for standard cabinets
- Access type: Fixed, swing-out, or vertical
- Standards compliance: EIA-310, TIA, IEC for compatibility and safety These specifications ensure that your network equipment is secure, organized, and properly ventilated, even in space-constrained environments .

Article Content

9U Wall Mount Network Cabinet

Description FS wall mount network cabinet consists of convenient cable access openings, top cooling vents, vented glass front

Related Video Reference

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