

Weight of a 1 6m Network Cabinet



Overview

Racks and Enclosures Technical Specifications | ServerLTServer Racks Specifications: Detailed performance metrics, weight capacities, and cooling options f.

Key Takeaways

A standard 1.6-meter (42U) network cabinet typically weighs between 70 kg and 100 kg, depending on construction and features.Overview

Network cabinets of 1.6 meters in height are commonly used for housing servers, switches, routers, and other IT equipment. They are usually made of welded steel or high-quality aluminum, which affects the overall weight. Pre-assembled cabinets, like the Keysight E3661B, are designed for easy deployment and include features such as perforated doors, adjustable rails, and cable management, which can slightly increase the weight .

Factors Affecting Weight

- **Material:** Steel cabinets are heavier (typically 80–100 kg), while aluminum or lighter modular designs may weigh closer to 70 kg .
- **Accessories:** Sliding rails, perforated doors, and cable management trays add to the total weight.
- **Load Capacity:** Cabinets with higher static load ratings (up to 2,000 lbs / ~900 kg) may have reinforced frames, increasing the base weight .



- Pre-assembled vs Modular: Pre-assembled cabinets are heavier due to welded construction, whereas modular kits may be lighter but require assembly.
- Practical Considerations
- Installation: Ensure the floor can support the cabinet's weight plus the equipment load.
 - Mobility: Some cabinets come with casters for rolling, but the base weight may still require two or more people for safe handling.
 - Shipping: Pre-assembled 1.6 m cabinets are often shipped on pallets and may require a forklift or pallet jack. In summary, while the exact weight varies by manufacturer and configuration, a 1.6 m network cabinet generally weighs between 70 kg and 100 kg, with heavier models offering more robust construction and higher load capacity .

Article Content

SERVER AND NETWORK CABINETS

ices reliably and securely. With perforated front and rear doors for front to rear airflow, built-in cable and PDU management, and

Contact Us

Continue your research online:

Website: <https://thegalleryselfcatering.co.za>

Technical inquiry: <https://thegalleryselfcatering.co.za/contact.html>

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

