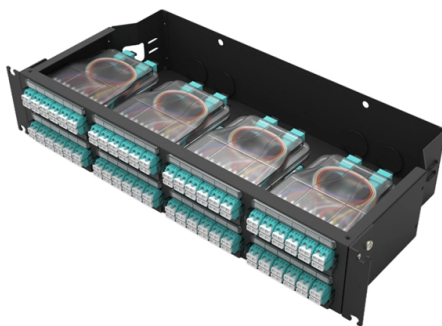


RIVO MULTITRADE OPTICAL SYSTEMS

Price of Customized Network Cabinets for Data Centers



Overview

Server, Network, & Data Center Racks, Cabinets, Browse server, network, & data center racks, cabinets, shelves, & cable managers from a premier data cabinet.

Key Takeaways

Network cabinet prices range from \$100 for basic wall-mounted units to \$3,500 or more for high-spec enterprise and data center racks. Price Ranges by Cabinet Type

- Wall-Mounted Cabinets: Compact units (6U-12U) suitable for small offices or satellite locations cost \$100-\$260, with higher-end models featuring glass doors and enhanced security options costing more .

- Floor-Standing Cabinets: Larger cabinets (12U-27U) for enterprise or small data centers range from \$300-\$800, offering better ventilation, accessibility, and capacity .

- High-Spec Enterprise Cabinets: For hyperscale or high-density deployments, 42U or larger cabinets with advanced cooling and liquid-ready designs can cost \$1,500-\$3,500 per unit .

Factors Affecting Cabinet Costs

- Material and Build Quality: Basic steel frames are cheaper, while aluminum alloys with corrosion-resistant coatings add \$100-\$300 to the cost, essential for outdoor or humid environments .

- **Size and Capacity:** Larger cabinets cost more due to increased materials, shipping, and labor. Cabinet height is measured in “U” units (1U = 1.75 inches), with 42U being standard for data centers .
- **Features:** Lockable doors, cable management, fan trays, and PDU integration increase the price .
- **Compliance and Ratings:** NEMA-rated cabinets or those meeting ASHRAE and EU energy efficiency standards may carry a premium .

Colocation and Data Center Considerations

- **Colocation Pricing:** Renting space in a data center is typically priced per rack or per kW. In North America, colocation costs for 250–500 kW deployments average around \$196 per kW per month, with higher-density AI or GPU racks costing significantly more .
- **Power and Density:** High-density racks (20–100 kW) require liquid cooling and dedicated power distribution, which increases both cabinet and colocation costs .
- **Additional Costs:** Setup fees, remote hands, cross-connects, and bandwidth can add to total expenses, so budgeting should account for these operational costs .

Summary

For budgeting purposes:

- Small office or edge deployments: \$100–\$260 per wall-mounted cabinet.
- Standard enterprise floor-standing cabinets: \$300–\$800.
- High-density or hyperscale data center cabinets: \$1,500–\$3,500.
- Colocation costs: \$196 per kW per month on average, with high-density racks significantly higher. Selecting the right cabinet depends on size, power requirements, cooling, and compliance needs, while colocation pricing is heavily influenced by power density and location. Proper planning ensures cost efficiency and scalability for future growth.

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

