

# Cost per server rack in a data center



## Article Overview

A standard data center server rack typically costs between \$500 and \$4,000, with high-density or fully equipped racks potentially exceeding \$5,000, plus ongoing operational costs.

### Hardware Costs

The base price of a server rack depends on size, material, and features. Standard 42U or 48U racks range from \$200 for basic open-frame units to \$1,000–\$2,600 for premium enclosed models with doors, locks, and integrated cooling or cable management . Materials affect cost: steel racks are cheaper, while aluminum racks are more expensive but portable . Additional accessories like shelves, drawers, cable trays, and power distribution units (PDUs) can further increase the hardware cost .

### Installation and Setup Costs

Installing a rack involves labor, mounting, and integration with power and cooling systems. Typical installation costs range from \$100 to \$500 per rack for mounting and stabilization . Power and cooling connections can add \$500–\$2,000 per rack, depending on density and infrastructure requirements . Network connectivity setup may cost an additional \$200–\$1,000 per rack . Overall, the total setup cost for a single rack can range from \$500 to \$2,000, with high-density or custom configurations costing more .

### Operational Costs...

## Article Content

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The barebones price of a normal server rack ranges from 1000 USD dollars to 5000 USD dollars depending on the material used to

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### Data Center Cost Per Rack / KW / MW / SQFT / Cooling / DG & UPS

Find breakdown of Data center cost per racks unit, sqft and KWH, MWH, Cooling, DG & UPS from our data center cost calculator for

## Contact Us

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