

Price of Data Center Server Racks



Article Overview

A standard data center server rack typically costs between \$1,000 and \$5,000 for the hardware, with additional installation and operational costs ranging from \$500 to \$2,000 per rack, and colocation fees of \$900–\$2,500/month for standard racks.

Hardware Costs

The barebones price of a standard server rack ranges from \$1,000 to \$5,000, depending on factors such as material (steel is cheaper, aluminum is more expensive but portable), size (commonly 42U or 48U), and additional features like cable management and airflow provisions . Accessories such as shelves, drawers, cable trays, and power distribution units (PDUs) can further increase the cost .

Installation and Setup Costs

Setting up a rack in a data center involves labor and materials for mounting, which typically costs \$100–\$500 per rack. Power and cooling connections can add \$500–\$2,000, and network connections may cost an additional \$200–\$1,000 . High-density or custom racks with advanced servers or storage arrays may require more complex installation, increasing costs further .

Colocation and Operational Costs

For colocation in the U.S., a standard full rack (42U, 3–5 kW) at a Tier 3 facility generally costs \$900–\$2,500 per month, depending on location, power density, and contract terms. High-density racks (10–30+ kW) in top-tier markets can exceed \$3,...

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Data Center Rack Market Size, Share | Industry Report 2034

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