

Price of a 256Gbps access switch

Article Overview

256Gbps access switches typically range from \$3,500 to \$8,000 USD depending on model, features, and vendor.

Cisco Catalyst C9300 Series

The Cisco Catalyst C9300-48T-A is a high-performance 1RU access switch with 48 Gigabit Ethernet ports, modular uplinks supporting 1G, 10G, 25G, or 40G, and a 256Gbps switching capacity (up to 736Gbps with stacking) with 190.47 Mpps forwarding rate . It includes advanced Layer 3 routing, SD-Access capabilities, and enterprise-grade security. Pricing for this model generally falls in the \$5,000-\$7,500 USD range, depending on licensing (Network Advantage vs Essentials) and vendor discounts . The Cisco C9300-48S-A variant offers 48x 1G SFP ports with the same 256Gbps switching capacity and similar Layer 2/3 features . This model is often priced slightly lower than the 48T-A due to the SFP-only ports, typically around \$4,500-\$6,500 USD.

LANCOM GS-3652XP

The LANCOM GS-3652XP provides 48 ports with 200-256Gbps throughput, PoE+ support with a 740W budget, and advanced security features . This switch is suitable for enterprise access layers requiring PoE for IP phones, cameras, or wireless APs. Pricing for this model is generally in the \$3,500-\$5,000 USD range, depending on stock availability and shipping location .

GAOTek 24-Port 256Gbps Fiber Switch

For smaller deployments, the GAOTek 24-port 256Gbps optical fiber switch offers L2 connectivity with 24 auto-negotiating Ethernet ports and 4x10G SFP uplinks . This type of switch is more compact and cost-effective, with prices typically under \$1,500 USD, making it suitable for small offices or home labs .

Key Considerations

- o Port type and density: Copper vs SFP/SFP+ or modular uplinks affect price.
- o PoE/PoE+ support: Switches with higher PoE budgets cost more.
- o Licensing: Advanced Layer 3 features or SD-Access capabilities require additional licenses.
- o Stacking capability: Stackable switches with higher bandwidth may increase cost.
- o Vendor and region: Prices vary by distributor, shipping, and local taxes. In summary, enterprise-grade 256Gbps access switches like Cisco Catalyst C9300 models typically cost \$4,500-\$7,500 USD, while smaller or fiber-only models can be significantly cheaper, around \$1,000-\$3,500 USD, depending on features and vendor .



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High-performance gigabit fiber switch with 256Gbps bandwidth, 24 Ethernet ports, and advanced security

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