

Unit Price for Installation of Aggregation Switch Equipment



AI Overview

The unit price for installing an aggregation switch typically ranges from \$500 to \$2,500 per device, depending on switch complexity, port density, and labor requirements.

Factors Affecting Installation Costs

Switch Type and Specifications Aggregation switches vary in port count (e.g., 8, 24, 48 ports), speed (1GbE, 10GbE, 25GbE, 40GbE, 100GbE), and features such as Layer 2/3 functionality, PoE/PoE+, and advanced management capabilities. Higher-end switches with multi-gigabit or 10G+ uplinks generally require more configuration time, increasing installation costs.

Network Complexity Installation costs rise with the complexity of the network. Integrating the aggregation switch into existing access and core layers, configuring VLANs, link aggregation (LACP), QoS, and routing protocols (OSPF, BGP) can add significant labor hours.

Labor and Regional Rates Professional network engineers or certified technicians typically charge between \$100 and \$250 per hour in North America, with total installation time ranging from 2 to 10 hours per switch depending on configuration and testing requirements. Regional labor rates and service contracts can influence the final unit price.

Additional Services Costs may include cable management, rack mounting, labeling, testing, and documentation. Some vendors offer bundled installation services with hardware purchase, which can reduce overall cost per unit.

Total Cost of Ownership Considerations Beyond installation, consider ongoing maintenance, firmware updates, and potential licensing fees for advanced features. Enterprise-grade switches often have higher MTBF and reliability, which can justify higher upfront installation costs.

Typical Pricing Range

Deployment Type	Port Count	Features	Price Range (per switch)
Small-scale deployment	8-12 ports	basic Layer 2	\$500-\$1,000
Medium-scale deployment	24-48 ports	Layer 2/3, PoE	\$1,000-\$1,800
High-end deployment	48+ ports	multi-gigabit, 10G+ uplinks	\$1,800-\$2,500

Article Content

Understanding Switch Aggregation: A Comprehensive

This source provides a comprehensive guide on choosing the best aggregation switch, including a clear definition of what an aggregation switch is.

Network Installation Cost Guide 2026 - LatestCost - Real-Time Price ...

The typical network installation price range for a home or small business varies by scope, with main cost drivers including cabling length, equipment level, and labor time. This article provides

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The aggregation switch conducts uploading and distributing in addition to other tasks including policy implementation, security, and working group access. It is used to lessen the stress

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Telco Systems T-Metro 8104 Aggregation Switch

Telco Systems T-Metro 8104 is a multipurpose, ultra-high capacity 1.2Tb service aggregation platform and cloud gateway.

Everything You Need to Know About Aggregation Switch

With an aggregation switch, traffic from multiple access switches is combined and streamlined, leading to better network performance and reduced

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The UniFi Switch 10 Gigabit 16-Port Managed Aggregation Switch by Ubiquiti Networks is a flexible and high-performing device designed for modern network infrastructure. Created to provide

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Our switches fit seamlessly into various environments—from small businesses requiring L2 aggregation to large enterprises needing L3 solutions with link aggregation capabilities. Budget-Conscious

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The Ultimate Guide to Aggregation Switch Bulk Order: Architecture ...

A regional European ISP executed a aggregation switch bulk order of 500 units to replace legacy Catalyst 3560s. The objective was to scale from 1G access to 10G fiber-to-the-home (FTTH) backhaul.

What Is an Aggregation Switch and How to Choose?

An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access points, or other edge devices and forwards it to core switches or routers.

Switch Aggregation

Faster replacement and priority support, covered for 5 years. An 8-port, Layer 2 switch made for 10G SFP+ connections.

What Is an Aggregation Switch and How to Choose?

Discover the role of aggregation switches. Explore differences between aggregation, access, and core switches, and choose the right model for your network.

MikroTik CRS510-8XS-2XQ-IN | Compact 100G Aggregation Switch

Discover the MikroTik CRS510-8XS-2XQ-IN, a compact 100G aggregation switch with 8 x 25G SFP28 ports and 2 x 100G QSFP28 ports. Perfect for high-performance enterprise networks.

Ubiquiti Store

Rethinking IT 1.8 Tbps high-density 100G/25G Layer 3 Etherlighting™ aggregation switch with MC-LAG support for high availability system design.

aggregation switches: Best 2025 Options for Your Network

Find top aggregation switches with 48 ports, 10GbE uplink, and Layer 3 routing. Verify supplier reliability, pricing tiers, and customization options. Click to explore verified suppliers and secure the best deals

Small Business Network Setup Cost: Pricing Guide (2025)

Understanding the small business network setup cost is crucial for budget planning. Discover the factors influencing the cost and how to budget smartly.

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