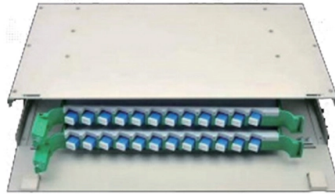


How much does a fiber optic interface module for a switch cost



Overview

Amazon.com: Sfp Module Upgrade your network infrastructure with versatile SFP modules. Discover options for 1G, 10G, and fiber optic standards to meet your.

Key Takeaways

Fiber optic modules for switches typically range from \$20 to \$300 or more, depending on speed, distance, and type.

Pricing Overview¹

G SF

P Modules: These are generally the most affordable, with prices ranging from \$20 to \$50 for short-range multi-mode modules and \$40 to \$80 for single-mode long-range modules. 10G SFP+ Modules: High-speed modules for 10Gbps connections cost more, typically \$70 to \$150 for short-range multi-mode and \$100 to \$300 for long-range single-mode modules capable of distances up to 10 km or more. Specialty Modules: Modules designed for very long distances (40 km to 120 km) or rugged outdoor environments can exceed \$300, reflecting advanced optics and environmental protections.

Factors Affecting Price



Fiber Type: Single-mode modules are more expensive than multi-mode due to longer distance capabilities and precision optics. **Distance:** Modules supporting longer transmission distances (10 km, 40 km, 120 km) cost more than short-range modules (up to 500 m) due to higher-quality lasers and components. **Brand and Compatibility:** Modules from Cisco, Ubiquiti, MikroTik, and other major vendors may carry a premium, while third-party compatible modules are often cheaper but require careful verification for switch compatibility.

Features: Hot-swappable modules, DDM (Digital Diagnostic Monitoring), and ruggedized designs for industrial or outdoor use can increase the price.

Where to Buy

Online Retailers: Amazon and WLAN-Shop24 offer a wide range of SFP and SFP+ modules with prices and shipping options. **Specialized Networking Suppliers:** DigiKey and FiberOptics4Sale provide modules for professional networking setups, including high-end and industrial-grade options.

Recommendation

When selecting fiber optic modules, ensure compatibility with your switch, match the fiber type (single-mode or multi-mode), and choose the appropriate distance rating for your network. For cost efficiency, short-range multi-mode modules are suitable for most office environments, while single-mode long-range modules are necessary for data centers or campus networks. By considering these factors, you can budget effectively and select modules that meet both performance and cost requirements.

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Ethernet

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