How much does an optical module cost in Ecuador

Overview

Access 8 verified Optical Fibers Suppliers in Ecuador with shipment-level prices, volumes, routes, buyer networks, and verified decision-maker contacts — all backed by bills-of-lading.

Key Takeaways

Optical module prices in Ecuador generally range from $10 to over $300 per module, depending on type, brand, and specifications. Price Ranges by Module Type1G SFP Modules: Typically start around $10–$50, with prices varying based on single-mode or multimode, transmission distance, and brand. 10G SFP+ Modules: Average prices range from $10 to $300, with standard SR modules at the lower end and LR or long-distance single-mode modules at the higher end.

25G SFP28 Modules: Prices are generally higher, often $50–$200, reflecting increased speed and newer technology. 40G QSFP/QSFP+ Modules: Usually cost $100–$400, depending on vendor and performance requirements. 100G QSFP28 Modules: Can range from $300 to over $1,000, influenced by engineering, materials, and production complexity.

Factors Affecting Cost

Module Type and Speed: Higher-speed modules (25G, 40G, 100G) require more advanced components and testing, increasing cost. Transmission Distance: Single-mode long-range modules are more expensive than multimode short-range modules. Brand and Compatibility: OEM-branded modules are typically more expensive than third-party compatible modules, which can reduce costs by 50% or more.

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Supply Chain and Import Costs: In Ecuador, import duties, shipping, and local distributor margins can add 10–30% to the base price. Market Demand: Data center expansions or network upgrades can temporarily increase prices due to supply-demand imbalances. Practical ConsiderationsThird-party modules are often a cost-effective alternative to OEM modules without sacrificing performance.

Bulk purchases may reduce per-unit cost, especially for enterprise or ISP deployments. Local distributors in Ecuador may offer pricing slightly higher than global online prices due to import and logistics costs. In summary, while exact prices in Ecuador vary, you can expect 1G modules around $10–$50, 10G modules $10–$300, and 100G modules $300–$1,000 or more, with final costs influenced by module type, brand, distance, and import factors.

Article Content

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Optical Transceiver Modules Prices & Specifications

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Optical Module Procurement Guide

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