

What is the price of the fiber optic connector for a router



Overview

Online shopping for Connectors - Fiber Optic Products from a great selection at Industrial & Scientific Store.

Key Takeaways

Fiber optic connector prices vary widely, typically ranging from €1 to €50 per unit depending on type, mode, and manufacturer. Price Overview

Fiber optic connectors are available in multiple types such as LC, SC, ST, FC, and MPO, and prices depend on the connector type, single-mode or multimode, and quantity purchased. For example:

- LC connectors (commonly used for single-mode router connections) typically cost €2–€10 per unit for standard models from distributors like Mouser or DigiKey .
- SC connectors (push-pull style) are priced around €3–€15 per unit, suitable for telecom and datacom applications .
- ST connectors (bayonet style) generally range from €2–€12 per unit, often used in networking setups .

- MPO/MTP connectors for high-density fiber applications can cost €20–€50 per unit, depending on fiber count and quality . Bulk purchases or industrial-grade connectors from brands like Amphenol, Broadcom, Molex, TE Connectivity may offer discounts per unit, especially for quantities over 50–100 pieces .

Factors Affecting Price

- Connector Type: Smaller ferrule connectors like LC are usually cheaper than multi-fiber MPO connectors.
- Mode: Single-mode connectors are slightly more expensive than multimode due to precision requirements.
- Material and Durability: Ruggedized connectors for outdoor or high-vibration environments cost more.
- Quantity: Buying in bulk reduces the per-unit cost.

Where to Buy

- Mouser Europe: Offers a wide range of fiber optic connectors with datasheets and pricing by quantity .
- DigiKey: Provides multiple connector types with same-day shipping and detailed specifications .
- RS Components: Supplies SC, LC, ST, and MPO connectors with free next-day delivery in some regions .
- Amazon: Retail options for fiber optic routers and connectors, including kits for home networking, typically priced higher due to convenience . For a typical home or small office router setup, LC or SC connectors are the most cost-effective, while MPO connectors are suited for enterprise or high-speed backbone networks.

Article Content

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Home Fiber Kit: Wired Internet Where You Need It

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Best Buy

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