

How much does a single optical splitter box cost



Article Overview

Optical splitter boxes typically range from \$20 for small 4-port FTTH units to several hundred dollars for high-capacity 32-port or PLC splitter boxes.

Price Ranges by Type

- **Small FTTH Splitter Boxes (4-8 ports):** These are suitable for residential fiber-to-the-home installations. On platforms like Amazon, a 4-port outdoor-rated fiber distribution box can cost around \$20-\$50 depending on features such as weatherproofing, fusion splice trays, and included adapters .
- **PLC Splitters (1:2 to 1:64 ratios):** Planar Lightwave Circuit splitters, used in both FTTH and enterprise networks, are passive devices with no power requirement. Prices vary by split ratio and quality of fibers and connectors. For example, a 1:2 PLC splitter may cost \$10-\$30, while higher ratios like 1:16 or 1:32 can range from \$50-\$150 per unit .
- **High-Capacity Distribution Boxes (16-32 ports, 72 cores):** These are designed for larger FTTx networks, data centers, or multi-dwelling units. A 32-port fiber distribution box with integrated PLC splitters and weatherproof design can cost \$150-\$400 depending on configuration, internal splitter type, and brand .

Factors Affecting Cost

- **Port Count and Split Ratio:** More ports and higher split ratios increase the complexity and cost of the box.
- **Material and Build Quality:** Outdoor-rated, impact-resistant, and UV-protected encl...

Article Content

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Fiber Optic Splitters Factory

Fiber optic splitters include PLC type fiber optic splitters and FBT type fiber optic splitters. Available in single mode and multimode

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The structure of the splitter is simple and easy to maintain, which can reduce the maintenance cost of the network. The

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Optimize Your Selection: A Guide to Choosing the Right Optical Splitter

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Types of Fiber Optic Splitter Boxes A fiber optic splitter box is a crucial component in modern fiber optic networks, enabling the

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