

How much does a 32-port fiber optic fusion splice box cost

Article Overview

A 32-port fiber optic fusion splice box typically costs between \$80 and \$250, depending on features and brand.

Overview

A 32-port fiber optic fusion splice box, also called a fiber distribution box or fiber access terminal (FAT), is used to organize, protect, and manage fiber optic connections in FTTH or FTTx networks. These boxes support fusion splicing, mechanical splicing, and sometimes include PLC splitters for signal distribution . They are designed for outdoor installation with IP65-rated waterproof and UV-resistant enclosures, and can be wall-mounted or pole-mounted .

Factors Affecting Cost

- o Internal Configuration: Some boxes include PLC splitters (1x16 or 1x32) and SC adapter ports, which increase the price .
- o Material and Durability: Impact-resistant plastics with anti-UV and waterproof features can raise the cost.
- o Brand and Supplier: Prices vary between manufacturers like Topfiberbox, AOA Tech, and distributors such as Amazon or Graybar .
- o Accessories: Additional splice trays, adapters, or mounting kits may add to the total cost .

Typical Price Range

- o Basic 32-port fiber splice boxes (without splitters or minimal accessories): around \$80-\$120.
- o High-capacity or splitter-equipped boxes: around \$150-\$250.
- o Premium or specialized enclosures with extra features may exceed \$250.

Purchasing Options

- o Online retailers: Amazon, LANshack, and Topfiberbox offer various models .
- o Distributors: Graybar and AOA Tech provide commercial-grade enclosures suitable for professional installations .
- o Local suppliers: Prices may vary depending on shipping and regional availability. When budgeting, also consider shipping costs, installation labor, and any additional accessories required for your network deployment.



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And with various ports types, they can fit different fiber optic core numbers. In addition, there are two types

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