

## Price of Fiber Optic Splitter Box for Telecommunications



### Overview

Amazon.com: Fiber Termination BoxFiber Optic Wall Mount Box with LC Couplers for Single Mode & Multimode Fiber Optic Cable. | Fiber Box Enclosure for MPOE'.

### Key Takeaways

Fiber optic splitter boxes typically range from \$20 to \$200 or more, depending on type, capacity, and configuration.

Fiber optic splitter boxes are enclosures that house splitters to divide a single optical signal into multiple outputs, essential for FTTH (Fiber to the Home) and PON (Passive Optical Network) deployments . They protect sensitive components, manage splicing and termination, and support scalable network architectures. Common types include:

- Wall-mount or indoor boxes for network rooms or IDF/MPOE locations .
  - Outdoor distribution boxes with weatherproof, IP65-rated enclosures for aerial, underground, or pole-mounted installations .
  - High-capacity centralized boxes for large-scale fiber distribution, often housing multiple PLC or FBT splitters .
- Factors Affecting Price
- Splitter Type:
  - PLC (Planar Lightwave Circuit) splitters are more precise and suitable for high split counts (1x16, 1x32, 1x64), generally costing more.

- FBT (Fused Biconical Taper) splitters are cost-effective for smaller splits (1x2, 1x4) and are cheaper .
- Port Count and Capacity:
  - Small boxes (e.g., 12-fiber) can cost around \$20-\$50 .
  - Medium boxes (e.g., 32-port, supporting 72 splices) range from \$80-\$150 depending on configuration and included splitters .
  - High-capacity or rack-mount boxes with multiple splitters can exceed \$200.
- Material and Environmental Protection:
  - ABS, PC, or alloy enclosures with UV resistance, waterproofing, and impact resistance may increase cost .
  - Outdoor-rated boxes with IP65 or higher protection are more expensive than indoor-only models.
- Configuration and Accessories:
  - Pre-installed splitters, SC/LC adapters, and modular cassettes add to the price.
  - Customizable internal layouts for splicing, splitting, and storage can also affect cost .

#### Typical Price Examples

- 12-fiber FTTH splitter box: ~\$20-\$50, suitable for small residential deployments .
- 32-port outdoor distribution box with 1x16 PLC splitter: ~\$80-\$120, supports medium-scale networks .
- High-capacity 72-core box with multiple PLC splitters: ~\$150-\$200+, ideal for large FTTH or business networks .

#### Conclusion

The price of a fiber optic splitter box depends on splitter type, port count, environmental rating, and included accessories. For small residential networks, inexpensive 12-fiber boxes suffice, while larger FTTH or PON deployments require higher-capacity, weatherproof enclosures with PLC splitters, which cost more. Selecting the right box ensures network reliability, scalability, and long-term performance .

## Article Content

Amazon : Fiber Termination Box

Fiber Optic Wall Mount Box with LC Couplers for Single Mode & Multimode Fiber Optic Cable. | Fiber Box Enclosure for MPOE's,

Amazon : Fiber Distribution Box

ETS Fiber Optic Distribution Box 4 Core – IP65 Waterproof, UV Resistant, FTTH, FTTx, Wall/Pole Mountable, Industrial Networks,

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Splitter Distribution Box 16 Ports with SC/APC Adapter (without Pigtails)

Indoor/Outdoor Wall Mounted, Single Door Fiber Distribution box is ideal for end terminations of fiber optic runs in residential or

FTTH Splitter Distribution Box FTTH Box ODF Closure ...

FTTH Splitter Distribution Box Sopto's Outdoor splitter distribution box is used as a termination point for the feeder cable to connect

Amazon : Fiber Splitter

PLC Splitter 1x16 Cassette Type, Single Mode 9/125, SC Connector, Fiber Optical Splitter for FTTH, Telecom & Network Distribution

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Home Page

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Hanutech FTTH Fiber Distribution Box Loaded with 1:8 PLC ...

Hanutech FTTH Fiber Distribution Box Loaded with 1:8 PLC Splitter SC/PC Connectors Fitted, 1X8 Fiber Splitter Box, Suitable for

8 □12 Cores Fiber Optical Junction Box, Fiber Splitter Box

YFDB-12B Fiber Splitter Distribution Box Overview Fiber Splitter Distribution Box, also known as Fiber Optical Junction Box, provides

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