

Price of Fiber Optic Intelligent Electronic Distribution Frame



Overview

Optical Distribution Frames (ODF) Supplier | FiberintheboxBuy high quality Optical Distribution Frames (ODF) with competitive price and worldwide delivery.

Key Takeaways

The price of an Intelligent Fiber Optic Electronic Distribution Frame typically ranges from \$500 to \$5,000 or more, depending on type, capacity, and features. Pricing Overview

The cost of an Intelligent Fiber Optic Electronic Distribution Frame (ODF) varies widely based on port capacity, mounting type, pre-terminated options, and manufacturer. Standard 19" rack-mount ODFs with 12 to 144 ports are commonly priced between \$500 and \$2,500 for indoor models, while larger or high-density units for telecom centers or data centers can exceed \$5,000 . Outdoor or weather-resistant frames with advanced electronic management features may further increase the price due to additional materials and protective casings .

Factors Affecting Price

- Port Capacity: Higher port counts (e.g., 72, 144, or more) increase cost due to more splice trays, connectors, and fiber management components .
- Mounting Type: Wall-mount frames are generally less expensive than floor-mount or rack-mount frames designed for high-density installations .

- **Pre-Terminated vs. Standard:** Pre-terminated ODFs with pre-installed connectors and cables reduce installation time but are priced higher than standard frames .
- **Intelligent Features:** Electronic monitoring, automated fiber management, and remote diagnostics add to the cost, making “intelligent” ODFs more expensive than basic models .
- **Manufacturer and Region:** Leading brands like Huawei, Corning, and 3M may charge premium prices, while factory-direct suppliers in China offer competitive wholesale rates .

Market Trends

The global ODF market is growing due to 5G deployment, cloud computing, and high-speed internet demand, which drives investment in high-capacity and intelligent fiber management solutions . Rack-mount frames are increasingly preferred for space efficiency and cable management in data centers, while residential and office applications often use smaller, wall-mounted units .

Recommendation

For budgeting purposes, expect entry-level intelligent ODFs to start around \$500-\$1,000, mid-range rack-mount units around \$1,500-\$3,000, and high-density or fully intelligent systems \$4,000-\$5,000+. Contacting multiple suppliers, including factory-direct manufacturers, can help secure competitive pricing and customization options .

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