

Price of Fiber Optic Communication Box Processing Equipment



Overview

Fiber optical communication equipment Explore fiber optical communication equipment from OLT AN5516-04 to 4G fiber optic base stations. Prices range from \$.

Key Takeaways

Fiber optic communication box processing equipment typically ranges from \$50 to several hundred dollars per unit, depending on type, capacity, and configuration. Overview of Fiber Optic Boxes

Fiber optic communication boxes, also known as fiber distribution boxes (FDB) or optical distribution frames (ODF), are used to manage, splice, and distribute optical fibers in communication networks. They are available in indoor and outdoor configurations, with capacities ranging from 1 to 24 cores or more, and are made from durable materials like ABS+PC for mechanical protection and weather resistance .

Price Ranges

- Small indoor terminal boxes (2-6 ports, basic ABS material) typically cost \$50-\$150 per unit .
- Medium-sized distribution boxes (8-16 cores, wall or pole mountable, IP65 rated) are priced around \$150-\$300 per unit .

- Large outdoor or pre-assembled ODF cabinets (up to 24 cores or more, with splice trays, splitters, and protective enclosures) can range from \$300-\$800 or higher, depending on features like heat-shrink closures, PLC splitters, and telescopic frames .

- Wholesale or factory-direct purchases may offer discounted rates, especially for bulk orders, with prices negotiable based on customization and shipping .

Factors Affecting Price

- Core Capacity: Higher core counts increase material and assembly costs.
- Material and Durability: Outdoor-rated boxes with IP65/IP66 protection are more expensive.
- Pre-assembled vs. DIY: Pre-assembled boxes with splice trays, adapters, and splitters cost more than basic enclosures.
- Brand and Supplier: Established manufacturers like OTRANS, Eks Fiber Optic System, and Rosendahl Nextrom may charge premium prices for quality and reliability .
- Customization: Special configurations for FTTx, FTTH, or industrial applications can increase costs.

Purchasing Tips

- Compare multiple suppliers to get competitive quotes.
- Consider bulk orders for cost savings.
- Verify IP rating, material quality, and included accessories to ensure suitability for your deployment environment.
- Check for warranty and after-sales support, especially for outdoor or high-capacity installations. In summary, fiber optic communication box processing equipment prices vary widely based on size, capacity, and features, with typical units ranging from \$50 for small indoor boxes to \$800+ for large outdoor cabinets, and wholesale options may reduce costs further .

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