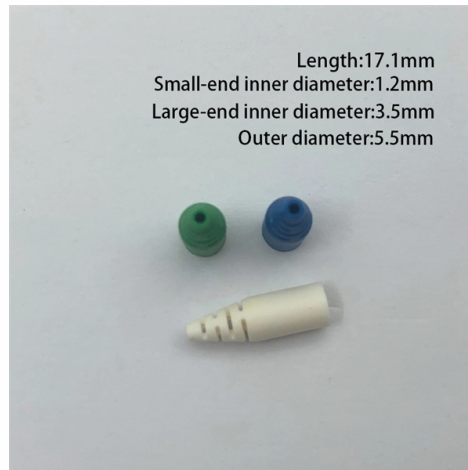


Wholesale Price of High-Quality Optical Modules



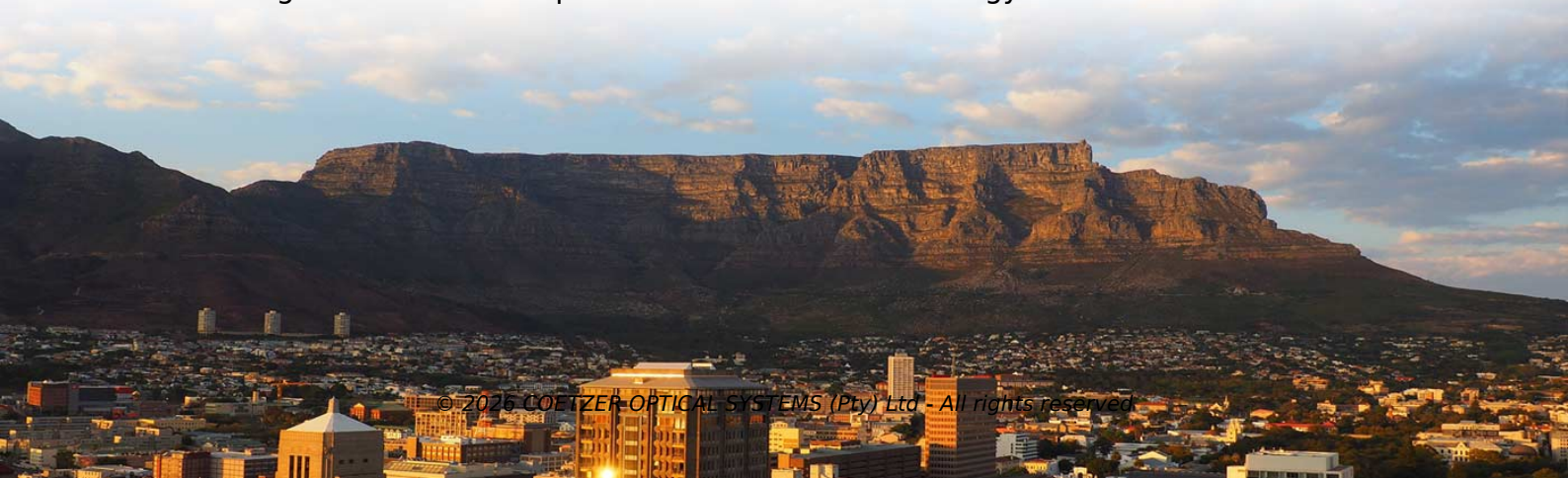
Overview

Source over 636 fiber-optic modules for sale from manufacturers with factory direct prices, high quality & fast shipping.

Key Takeaways

Wholesale optical module prices vary widely, typically ranging from \$50 to over \$1,000 per module depending on speed, type, and manufacturer. Price Ranges by Module Type

- 10G SFP+ modules: Generally priced around \$50-\$150 per unit in bulk, suitable for standard data center connections .
- 40G QSFP+ modules: Wholesale prices typically range from \$150-\$400, depending on distance and manufacturer .
- 100G QSFP28 modules: Commonly sold for \$300-\$700 per unit at wholesale, with variations for single-mode or multi-mode and AOC/DAC options .
- 200G QSFP-DD/QSFP56 and 400G QSFP-DD modules: High-speed modules for AI clusters or advanced data centers can cost \$800-\$1,500+ per unit wholesale, reflecting advanced silicon photonics and PAM4 technology .



- Active Optical Cables (AOC) and Direct Attach Copper (DAC): Prices vary by length and speed, with 40G-100G AOCs typically \$100-\$500 per cable, while DACs for short-distance connections are generally \$50-\$200 .

Factors Affecting Wholesale Pricing

- Module Speed and Bandwidth: Higher-speed modules (200G, 400G, 800G) are significantly more expensive due to advanced components and higher manufacturing complexity .
- Form Factor: SFP, SFP+, QSFP+, QSFP28, QSFP-DD, and OSFP modules differ in size and channel density, impacting cost .
- Distance and Fiber Type: Single-mode modules for long-distance transmission are more expensive than multi-mode modules for short-range connections .
- Manufacturer and Brand: OEM modules (Cisco, Juniper, Arista) are priced higher than third-party MSA-compliant modules from suppliers like UnitekFiber or COBTTEL .
- Technology: Modules using silicon photonics, PAM4 encoding, or advanced DSP chips command higher prices due to performance and reliability benefits .

Where to Source Wholesale Optical Modules

- UnitekFiber: Offers a wide range of MSA-compliant modules including 10G-400G, AOC, and DAC cables .
- COBTTEL: Specializes in high-speed 400G-800G modules with silicon photonics technology for AI and data center applications .
- Global Sources & Made-in-China: Provide access to verified manufacturers from China, India, and Korea, offering competitive factory prices for bulk orders .

Summary

Wholesale optical module prices are highly variable, influenced by speed, form factor, distance, and manufacturer. For standard 10G-100G modules, expect \$50-\$700 per unit, while cutting-edge 200G-400G modules can exceed \$1,000. Bulk purchasing from verified suppliers like UnitekFiber, COBTTEL, or Global Sources can provide cost savings and ensure compatibility with major OEM hardware .

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