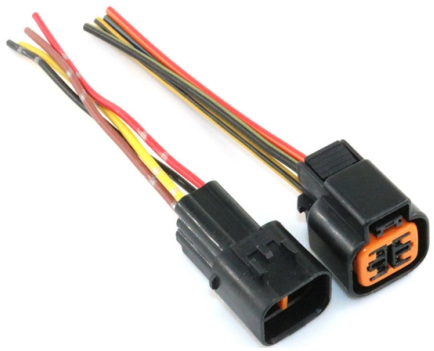
Wholesale price for 1 6T of packaged optics



Article Overview

The current wholesale price for 1.6T optical modules ranges roughly from $1,800 to $2,200 per unit, with bulk agreements potentially lowering costs further.

Current Pricing Overview

Recent market data indicates that 1.6T optical modules deployed in 2024–2025 are priced between $1,800 and $2,200 per unit for bulk buyers, reflecting improvements in manufacturing yields, silicon photonics integration, and supply chain optimization (Web result). Early prototypes in 2023 were priced higher, around $3,500–$4,500, but large-scale production and volume agreements with hyperscalers have significantly reduced costs. Strategic volume arrangements, such as those with major cloud providers, illustrate tiered pricing, with some buyers accessing modules at sub-$2,000 levels (Web result).

Factors Affecting Wholesale Pricing
• Technology Type: Modules using silicon photonics (SiPh) or EML lasers can influence cost. SiPh designs reduce power consumption and improve integration, which can lower unit prices in bulk (Web result).
• Volume and Buyer Class: Large-scale orders from hyperscale data centers or cloud providers often receive discounted pricing, sometimes 15–20% lower than standard wholesale rates (Web result).
• Raw Material Costs: Components like indium phosphide (InP), gallium arsenide (GaAs), and gallium nitride (GaN) remain scarce, and price volatility can affect mod...

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The global 1.6 T co-packaged optics (CPO) market was valued at $4.8 billion in 2025 and is projected to reach $18.2 billion by 2033,

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