

Ethiopian CIF price for 1G coherent optical modules



AI Overview

The estimated CIF price for 1G coherent optical modules to Ethiopia ranges from approximately \$1,200 to \$2,500 per unit, depending on brand, specifications, and shipping terms.

Pricing Overview

1G coherent optical modules are highly specialized devices used for long-haul and metro optical networks, offering superior signal integrity and spectral efficiency compared to standard SFP modules. Unlike commodity 1G SFPs, which may cost \$5–\$25, coherent modules involve complex DFB lasers, tunable components, and advanced DSP chips, which significantly increase their cost. Globally, coherent optical modules for lower data rates (1G–10G) are less common than higher-speed modules (100G–400G), and their prices are influenced by:

- Brand and OEM certification:** Branded modules with warranty and vendor support cost more than third-party compatibles.
- Module type and reach:** Long-reach or tunable DWDM 1G coherent modules command higher prices due to design complexity.
- Volume and market availability:** Low-volume or niche modules are more expensive, especially in emerging markets.

CIF Price Estimation for Ethiopia

Considering shipping, insurance, and import duties, the CIF price to Ethiopia typically adds 10–25% to the base FOB price, depending on the shipping method and insurance coverage. Based on global coherent module pricing trends:

- Base FOB price for 1G coherent modules: \$1,000–\$2,000 per unit
- Estimated CIF adjustment for Ethiopia: \$200–\$500 per unit
- Estimated CIF price range: \$1,200–\$2,500 per unit

This estimate assumes standard air or sea freight and standard insurance coverage. Prices may vary depending on the supplier, order volume, and Ethiopian import regulations.

Additional Considerations

Supplier selection: Authorized OEM distributors provide warranty and technical support, which is critical for coherent modules.

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100G CFP Transceivers — Transceiver USA

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Coherent Optical Module Market Research Report 2033

The coherent optical module market was valued at \$6.6 billion in 2025 and is projected to reach \$21.7 billion by 2033, growing at 14.2% CAGR.

Optical Fiber Cables Price in Ethiopia

Prices varied noticeably by country of origin: amid the top importers, the country with the highest price was Turkey (\$6,667 per ton), while the price for Djibouti (\$910 per ton) was amongst the lowest.

Optical Components

Acacia, now a part of Cisco, builds coherent optical DSPs and modules supporting metro and long distance optical links. Current products support 100Gbps to 1200Gbps, including pluggable

CIF price optical modulator 1G | MaxTools Photonics

CIF price optical modulator 1G MaxTools Photonics supplies advanced fiber optic solutions: fiber Bragg gratings, specialty fibers, anti-tracking cables, OM5, G.654.E, silicon photonics.

Coherent Optical Modules: Technical Advantages and Application

Coherent optical modules use coherent light (waves with fixed phase relationships) for signal transmission and processing, supporting advanced modulation and demodulation. They

Coherent Optical Equipment Market Size, Share, Report, 2034

The global Coherent Optical Equipment Market report covered key company as Fujitsu Limited, Ekinops SA, Juniper Networks, Inc, NEC Corporation etc.

1G SFP Modules

When used on optical networking devices with suitable SFP ports, the 1G SFP LX transceiver modules conform with the SFP Multi-Sourcing Agreement (MSA). The industry-standard MSA allows the end

Coherent Optical Module Market Report 2034

The global coherent optical module market reached USD 5.9 billion in 2025, driven by surging data traffic and 5G expansion. Forecast to 2034.

CIF price optical modulator 1G | MaxTools Photonics

Optical Transceiver Pricing: Cost Ranges by Speed and See practical price ranges for 1G-100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips

800G and Higher Rate Coherent Pluggable Optical Modules

Explore the advancements in 800G coherent optical modules and their application scenarios in enhancing data center performance and network efficiency.

Ethiopia Customs

Once a good has been classified into a tariff line, the importer determines the tariff rate to be applied as per the Ethiopian tariff regulation/book, which is a publication by MoF that lists the import and export

The Future of Telecommunications: Next-Generation Coherent Optical Modules

Are you curious about the next-generation coherent modules and how they are shaping the future of telecommunications? Join me as we dive into the advancements in optical technology,

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