

Article Overview

Commercial-grade optical modules in Moldova typically range from \$50 to \$500 per unit depending on type, speed, and supplier, with higher-end 100G-400G modules commanding premium prices.

Market Overview

The global commercial-grade optical module market is growing rapidly, driven by high-speed data transmission, cloud infrastructure expansion, and 5G network deployments. The market is projected to grow from USD 3.78 billion in 2026 to USD 6.15 billion by 2034, with a CAGR of 7.8% for standard commercial modules, while broader enterprise-grade modules may see growth up to 16.4% CAGR. Leading manufacturers include Cisco, Juniper Networks, Broadcom, and Intel, offering QSFP, OSFP, and SFP form factors.

Price Factors

The cost of optical modules is influenced by several key factors :

- o Module type and speed: SFP modules for 100/155 Mbps are lower cost, while QSFP-DD or OSFP modules for 400G-800G are significantly more expensive.
- o Raw materials and components: Lasers, silicon chips, and photonic components contribute heavily to the price.
- o Manufacturing and R&D: Precision cleanroom production and ongoing innovation increase costs.
- o Supply chain and logistics: Component shortages and shipping can add to lead times and pricing.
- o Technology generation: Newer modules with higher bandwidth and energy efficiency carry a premium.

Supplier Options in Moldova

Local suppliers and distributors offer a range of modules suitable for enterprise and data center applications :

- o SFP Optical Transceivers: Hot-swappable, supporting 100BASE Fast Ethernet, 1310nm FP or 1550nm DFB lasers, with transmission distances from 15 km to 80 km.
- o QSFP and OSFP Modules: High-speed 100G-400G modules for server-to-server connections, with hot-pluggable form factors and FEC support.
- o OEM vs Aftermarket: OEM modules provide guaranteed compatibility and reliability, while certified aftermarket modules offer cost savings with similar performance if sourced from reputable vendors.

Estimated Price Range

- o Entry-level SFP modules: \$50-\$150 per unit
 - o Mid-range QSFP modules (100G): \$200-\$350 per unit
 - o High-end OSFP/QSFP-DD modules (400G): \$400-\$500+ per unit
- Prices may vary based on order volume, supplier, and delivery terms. Lead times can extend to 30+ weeks due to global semiconductor shortages .

Procurement Recommendations

- o Evaluate compatibility with existing network equipment.
- o Check vendor reliability and certifications.
- o Forecast demand to avoid last-minute purchases at inflated prices.
- o Consider future scalability for multi-speed operations and 5G readiness.
- o Balance OEM vs aftermarket modules to optimize cost without compromising reliability . For a precise quote in Moldova, contacting local distributors or authorized resellers with your required module type, quantity, and delivery schedule is recommended.

The Optical Module Price is a standout piece in our Communication Module collection. Definitely! Many manufacturers provide cost

Commercial Grade Optical Modules Market size was valued at USD 8.42 billion in 2025. The market is projected to grow from USD

6Wresearch actively monitors the Republic of Moldova Fiber Optic Components Market and publishes its comprehensive annual

This report profiles key players in the global Commercial Grade Optical Modules market based on the following parameters -

This report analyzes the Moldovan optical fibre cables market and its size, structure, production, prices, and trade. Visit to learn more.

Discover a vast selection of wholesale optical module products for electronics manufacturing from China, India, Korea, etc. Source

We were the first in Moldova to offer professional eyesight diagnostics as well as contactologist and optometrist services in our optics

M-TIP aggregates and integrates Moldova's regulatory information related to external trade and useful data



Moldova Commercial-Grade Optical Module Price Quote

for

Access 484 verified Optical modules buyers in Moldova with contact numbers, shipment history, import pricing, and supplier

FiberMall offers 25G SFP28/40G QSFP+/100G QSFP28 Transceiver Modules designed with form factor, optical/electrical

This report analyzes the Moldovan singlemode optical fibre cables market and its size, structure, production, prices, and trade. Visit

Learn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable 10G SFP modules at the best

EXIMOTOR represents coleso.md a network of auto markets in the Republic of Moldova. The network coleso.md sells cars, trucks,

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to

Commercial Grade Optical Modules Market and AI Connectivity Revolution Commercial Grade Optical Modules have

This market research report provides a comprehensive analysis of the Commercial Grade Optical Modules Market, covering the

Web: <https://morwarreconst.co.za>

