

Selling price of network card optical module



Overview

Upgrade your network with our optical network cards. Enjoy high-speed, reliable connections for servers and desktops. Shop original, factory-sealed cards now!

Key Takeaways

Optical network cards typically range from \$20 for basic 1G modules to over \$500 for high-speed 100G transceivers, depending on type, speed, and vendor. Price Ranges by Type and Speed

1G SFP Modules: Basic single-mode or multimode SFP transceivers generally cost \$20–\$50 per unit, suitable for Gigabit Ethernet applications.

10G SFP+ Modules: High-speed SFP+ modules for 10Gbps networks typically range from \$50–\$150, depending on brand, DDM/DOM support, and fiber type.

40G QSFP Modules: QSFP modules supporting 40Gbps (4x10G channels) are priced around \$150–\$300, often used in enterprise and data center networks.

100G QSFP28 Modules: Next-generation QSFP28 modules for 100Gbps networks can cost \$400–\$600 or more, reflecting their high bandwidth and advanced features.

PCI/PCIe Fiber NICs: Optical network interface cards for desktops or servers, supporting 100M, 1G, or 10G speeds, range from \$50 for basic 100M cards to \$300–\$500 for 10G PCIe adapters.

Factors Affecting Price



Speed and Bandwidth: Higher-speed modules (10G, 40G, 100G) are significantly more expensive than 1G modules. **Connector Type:** SFP, SFP+, QSFP, and QSFP28 form factors influence cost; QSFP28 modules are the most expensive. **Fiber Type:** Single-mode modules (long-distance) are generally pricier than multimode (short-distance) modules.

Vendor Certification: OEM-certified or MSA-compliant modules cost more but ensure compatibility and technical support. **Digital Diagnostics Monitoring (DDM/DOM):** Modules with real-time monitoring features are more expensive but recommended for mission-critical deployments. **Quantity and Wholesale Pricing:** Bulk purchases on platforms like Alibaba or AliExpress can reduce per-unit cost significantly.

Summary

For budgeting purposes, small-scale 1G optical NICs start around \$20-\$50, mid-range 10G modules are \$50-\$150, and high-end 40G-100G transceivers can exceed \$500 per unit. Prices vary by vendor, certification, and features, so verifying compatibility with your network equipment is essential before purchase.

Article Content

Wholesale Optical Network Card 1k+ | Alibaba

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Optical Module Chip Market 2025

Average selling prices for 100G optical modules have declined approximately 70% over the past five years, forcing chip vendors to achieve aggressive cost reductions while maintaining performance.

LightCounting :: Updated forecast for sales of Ethernet transceivers ...

This report analyzes the impact of growing data traffic and the changing architecture of data centers on the market forecast for Ethernet optical transceivers with a focus on the high-speed modules used in

Deep Dive: Optical Module Market

In terms of pricing, 800G LPO modules have been sold at around \$600 this year, which is cheaper than single-mode conventional optical modules priced above \$700 but more expensive

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center interconnect applications - FiberMall

Global High-Speed Data Communication Optical Modules Market

In 2024, the global market average selling price of high-speed data communication optical modules was approximately USD 524 per unit, with a total shipment volume of 18.17 million units.

SFP Module Price

Find competitive sfp module prices for various optical transceivers. Our range includes 1.25G, 10G, and 25G modules with different reach and compatibility.

Wired Optical LC Network Cards for sale | eBay

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SFP Modules When Buying or Selling Used Network Equipment

SFP Modules When Buying or Selling Used Network Equipment As networking speeds have grown dramatically over the past decade or so, SFP modules have become a critical

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, advancing at a compound annual

Optical Module Package Market 2025

The optical module market has become increasingly competitive, with average selling prices declining at approximately 15-20% annually for mainstream products. Chinese manufacturers have significantly

Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot-pluggable device used in high-bandwidth data

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Optical Module Industry Statistics 2026

The optical module industry is facing increasing pressure to reduce its carbon footprint, with 40% of manufacturers targeting net-zero emissions by 2030. Competition in the 400G optical

Wholesale Optical Network Card 1k+ | Alibaba

An optical network card, commonly referred to as a transceiver module, is a critical component in modern networking systems that converts electrical signals into optical signals (and vice versa) for

Optical Module Market Size, Competitors & Forecast to 2032

The optical module market is navigating transformative shifts in technology, procurement, and network architecture, positioning itself at the heart of evolving connectivity and data demands for enterprise,

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