

Article Overview

Optical module card prices vary widely, typically ranging from \$50 for basic SFP modules to several thousand dollars for high-speed CFP or QSFP-DD modules.

Price Ranges by Module Type

- o SFP (Small Form-factor Pluggable): Basic 1G or 10G SFP modules usually cost \$50-\$150 depending on distance and fiber type .
- o SFP+ and QSFP/QSFP28: Higher-speed modules (10G-100G) range from \$100 to \$800 for standard short-range modules, while long-range or DWDM variants can exceed \$1,000 .
- o CFP, CFP2, CFP4, OSFP, QSFP-DD: Ultra-high-speed modules (100G-800G) are priced from \$1,500 up to \$5,000 or more, depending on form factor, distance, and vendor .
- o Active Optical Cables (AOC): Short-range 40G or 100G AOCs typically cost \$200-\$600 .

Factors Affecting Price

- o Data Rate and Form Factor: Higher-speed modules (100G+) and newer form factors like QSFP-DD or OSFP are more expensive.
- o Distance and Fiber Type: Modules supporting longer distances (10 km or more) or single-mode fiber (SMF) cost more than short-range multimode fiber (MMF) modules.
- o Vendor and Compatibility: Cisco-branded modules are generally more expensive than third-party or compatible modules, though they ensure full compatibility with Cisco devices .
- o Special Features: DWDM, CWDM, or enhanced modules with built-in diagnostics or Raman amplification support can significantly increase cost .

Purchasing Options

- o Direct from Vendor: Cisco and other major vendors provide official pricing and compatibility information online .
- o Wholesale Suppliers: Platforms like Made-in-China.com or COBTEL offer bulk pricing for optical modules, often at lower cost for compatible modules .
- o Resellers and Marketplaces: Sites like Fibermarkt.com provide a range of modules with warranty and support, suitable for enterprise or telecom deployments . In summary, optical module card prices are highly variable, influenced by speed, distance, form factor, and vendor. For budgeting, basic SFP modules start around \$50, while high-speed, long-range modules can exceed several thousand dollars. Checking vendor compatibility and sourcing options is essential to balance cost and performance .



Optical module card price

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE

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SFP28 transceiver that supports 25G connections up to 100 m using multi-mode fiber with a duplex LC UPC connector.

However, price sensitivity in developing markets often delays the adoption of premium optical solutions, and trade restrictions

Optical Module Chip Market size was valued at US\$ 823 million in 2024 and is projected to reach US\$ 1.52 billion by 2032, at a

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Active Optical Module market valued at \$10.7 billion in 2025, projected to reach \$35.6 billion by 2034 at 14.2% CAGR, driven by data

Explore the booming Optical Module Chip market forecast (2025-2033). Discover key drivers like 5G, data centers,

This article compares typical cost ranges across speeds and transceiver types, explains why prices vary, and gives practical

In low-speed optical modules, their cost share is relatively low. However, in 400G, 800G, and future 1.6T optical

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View the TI Optical module block diagram, product recommendations, reference designs and start designing.

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,



Optical module card price

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

Web: <https://in-au.co.za>

