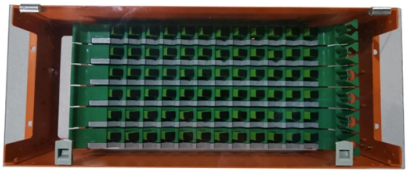
Optical Amplifier SFP FOB Price



Overview

Understanding Optical transceiver Pricing helps procurement, network planning, and total cost-of-ownership decisions.

Key Takeaways

The FOB price for optical amplifier SFP modules typically ranges from $5 to over $120 for standard SFPs, while specialized optical amplifiers like EDFAs or SOAs can cost from several hundred to over a thousand dollars depending on specifications.SFP Module Pricing

Standard SFP transceivers, which may include low-power optical amplifiers, have a wide price range depending on brand, compatibility, and data rate. Generic or third-party 1G SFPs often sell for $5–$25 per unit, while OEM-branded modules from vendors like Cisco, HPE, or Juniper can range from $60–$120 or more . Higher-speed modules, such as 10G SFP+ or long-reach LR/ER types, can cost hundreds of dollars, especially for industrial or extended-temperature specifications .

Optical Amplifier Types and Pricing

Optical amplifiers in SFP form factor include:

• Semiconductor Optical Amplifiers (SOA): Compact devices that amplify weak optical signals, commonly used in fiber-optic networks. Prices vary but are generally in the hundreds of dollars per unit depending on power and wavelength .

• Erbium-Doped Fiber Amplifiers (EDFA): Used for long-distance fiber communications, these amplifiers can cost from several hundred to over a thousand dollars, depending on output power, wavelength, and packaging (indoor/outdoor), .

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• Granite Optical Amplifiers (GOA), Raman, and Laser Amplifiers: Specialized amplifiers for pulsed signals, telecom, or free-space applications, often priced higher due to performance requirements .
Factors Affecting FOB Price
• Brand vs Compatible: OEM-branded amplifiers are significantly more expensive than third-party compatible units.

• Data Rate and Reach: Higher-speed or long-reach modules increase cost.

• Environmental Specifications: Industrial-grade or extended-temperature modules command higher prices.

• Region and Supplier: FOB pricing depends on shipping origin, local taxes, and supplier agreements. For example, purchasing from China or Germany may offer competitive FOB rates due to local manufacturing and distribution networks .
Practical Guidance
• For budget-conscious deployments, compatible SFP modules with integrated optical amplification can be sourced for $5–$50 FOB.

• For high-performance or long-distance applications, EDFAs or SOAs may require $300–$1,500 FOB depending on specifications.

• Always confirm with suppliers for current FOB quotes, as prices fluctuate with market demand, component availability, and shipping costs. By considering these factors, you can estimate the FOB cost of optical amplifier SFP modules for your network deployment or procurement planning.

Article Content

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SFP Module Price: Strategic Cost Analysis and TCO Factors

Compare SFP module prices, OEM vs third-party costs, and total cost of ownership (TCO). Learn what drives SFP pricing and how

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP

Deploy software configurable line rates and modulation schemes for long-reach amplified DWDM systems or dark fiber systems.

SFP Module: What''s It and How to Choose It?

What Is SFP Module? SFP module is a compact, hot-pluggable optical transceiver module, which is widely used for

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The road to SFP+: Examining module and system architectures

Two variants of SFP+ are currently being specified. The limiting variant, which closely resembles current SFP

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SFP modules – transceivers for 1/2/4G fibre channel

SFP – small form factor – pluggable modules for various optical data communications such as Fast

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SFP Module Price Comparison by Top 5 SFP Manufacturers

Here comes the question, which 3rd-party optical transceiver manufacturer is reliable to buy the best priced SFP? Are

Optical Amplifiers

Optical Amplifier is a device that amplifies optical signals traveling through a fiber optic cable. Optical Amplifiers from the leading

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SFP modules – selection and possible applications The SFP module (Small Form-Factor Pluggable or Mini GBIC (Gigabit Interface

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Hanutech 1.25G DDM SC Type Optical Transceiver Bidi SFP Module 1310/1550nm Single Mode Single Fiber 20KM- 1 Year

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Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for both telecommunication

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SFP Price

Catalyst 6500 24-port GigE Mod: fabric-enabled (Req. SFPs). Catalyst 4500 E-Series 12-Port 10GbE (SFP+). Catalyst 4500 E-Series

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FS provides 1/2/4G transceivers modules in SFP form factor, supporting transmission distances from 100m to 120km over SMF/MMF

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