ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Price of 4G optical modules



Overview

1/2/4G Transceiver Modules | Optical Transceivers FS provides 1/2/4G transceivers modules in SFP form factor, supporting transmission distances from 100m t.

Key Takeaways

The cost of a 4G optical module typically ranges from $16 to several hundred dollars, depending on brand, type, and performance.Price Range Overview

4G optical modules, often in SFP form factor, are available at a wide range of prices. Low-cost or generic modules can start around $16–$80, suitable for short-reach or standard applications, while branded or specialized modules from major OEMs like Huawei or ZTE can cost $100–$300 or more, especially for single-mode or long-distance applications .

Factors Affecting Price
• Brand and Quality: Well-known brands provide better reliability, technical support, and warranty, which increases cost .

• Module Type and Form Factor: SFP, SFP+, XFP, and QSFP modules differ in speed, size, and compatibility, influencing price .

• Transmission Distance: Modules designed for longer distances or single-mode fiber are more expensive than short-reach multimode modules .

• Performance Features: Modules with enhanced features like low power consumption, high stability, or specialized optical components cost more .
Practical Considerations

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When purchasing, consider the application requirements such as data rate, fiber type, and connector type (LC, MPO). Volume purchases can reduce per-unit cost, and comparing prices across authorized resellers and e-commerce platforms can help find cost-effective options . In summary, a typical 4G optical module can cost anywhere from $16 for generic short-reach modules to $300+ for branded or long-distance modules, with the final price depending on brand, type, and performance requirements .

Article Content

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What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical

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The Cisco QSFP-100G-LR4-S compatible optical transceiver module with duplex LC connectors reaches a link up to 10km over OS2

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Types of Optical Modules Type of Optical SFP PRICE AND SPECS

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual

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Ozark Solutions provides high quality optical transceiver modules, designed to support reliable 1G, 2G, and 4G networking

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This 4G fibre channel SFP storage transceiver provides 40km transmission distance over 9/125µm single mode fiber at

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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