

Price List for Optical Module Switches

Article Overview

Optical switches with modules typically range from \$50 for basic 1x1 or 1x2 switches to several thousand dollars for high-performance multi-port or electro-optical modules.

Overview of Optical Switch Pricing

- o Entry-level opto-mechanical switches such as 1x1 or 1x2 models are generally priced around \$50-\$200, depending on the manufacturer and features like low insertion loss or compact size (oeMarket) .
- o Higher-capacity switches like 1x4, 1x8, or 1x16, which support multiple channels and faster switching, can cost \$300-\$1,500 or more, especially if they are electro-optical or include built-in monitoring and control modules .
- o Specialized cross-bar or 2x4 switches designed for data centers or telecom applications may exceed \$2,000-\$5,000, reflecting their high reliability, low latency, and multi-terabit throughput capabilities .

Factors Affecting Price

- o Switch Type: Opto-mechanical switches are generally cheaper than electro-optical switches due to simpler construction.
- o Port Configuration: More ports (e.g., 1x16 vs. 1x2) increase cost.
- o Insertion Loss and Wavelength Range: Lower insertion loss and broader wavelength support typically raise the price.
- o Supplier and Stock Availability: Retailers like DigiKey and Mouser provide immediate pricing and shipping, while custom or high-performance modules may require quotes .

Where to Buy

- o oeMarket: Offers a variety of optical switches with detailed specifications and pricing for opto-mechanical and electro-optical modules .
 - o DigiKey: Provides in-stock fiber optic switches, multiplexers, and demultiplexers with pricing and same-day shipping .
 - o Mouser Electronics: Lists optical switches with datasheets and pricing for different configurations .
 - o Amazon: Offers basic optical limit switches and photoelectric sensors, typically for simpler applications .
- In summary, basic optical switches start around \$50, while high-performance multi-port modules for data centers or telecom networks can cost several thousand dollars, depending on specifications and supplier. For precise pricing, checking supplier websites or requesting quotes for specific models is recommended.

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Prices are indicative market ranges, not guaranteed quotes. Final pricing depends on switch coding, warranty,

Optical Switches are available at Mouser Electronics from industry leading manufacturers. Mouser is an authorized distributor for

Managed and unmanaged Layer 2 and Layer 3 fiber optic Ethernet switches. With 10G SFP+ fiber optic transceiver modules, they

Product PortfolioAMS Technologies carries a broad range of MEMS-based fiber optic switches in miniature, PCB-mountable,

Find here Fiber Optic Switches, Fiber Switch manufacturers, suppliers & exporters in India. Get contact details &

List Price w.e.f. 1st March 2023 FABIO SERIES - SWITCHES ... FABIO SERIES - SUPPORT MODULES ... FABIO SERIES - DATA

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Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km single-mode SFP module for Huawei switches and routers. Check real-time price,

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1x8, 1x16 Fiber Optical Switches This 1x8 and 1x16 optical switches are ideal modules for applications requiring high optical switchi...

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