

How much does a Moxa optical module cost



AI Overview

Moxa SFP and SFP+ optical modules typically range from \$50 to \$500, depending on speed, fiber type, and transmission distance.

Price Overview

Fast Ethernet (100 Mbps) SFP modules: Usually cost \$50–\$100 for short-range multi-mode modules, with longer-range single-mode or industrial temperature variants reaching \$100–\$150.

Gigabit (1G) SFP modules: Standard multi-mode modules for 550 m can cost around \$70–\$120, while single-mode modules for 10–40 km range may cost \$120–\$200.

2.5G SFP modules: Multi-mode modules for short distances (2 km) are typically \$100–\$150, and single-mode modules for 20–45 km can range \$150–\$250.

10G SFP+ modules: Short-range SR modules (300 m) may cost \$200–\$300, while long-range LR/ER/ZR modules (10–80 km) can range \$300–\$500.

Factors Affecting Cost

Fiber Type: Single-mode modules are generally more expensive than multi-mode due to higher precision optics.

Transmission Distance: Longer-range modules require more advanced lasers and optics, increasing cost.

Industrial Temperature Rating: Modules rated for extended temperatures (-40 to 85°C) are more expensive than standard commercial modules.

Vendor and Compatibility: OEM Moxa modules are typically pricier than third-party compatible modules, though certified compatible modules offer cost savings without sacrificing reliability.

Speed and Bandwidth: Higher-speed modules (10G) are significantly more expensive than 1G or Fast Ethernet modules.

Purchasing Tips

For budget-conscious applications, consider Moxa-compatible third-party modules that are tested and certified for reliability. Always verify module compatibility with your Moxa switch or industrial platform to avoid operational issues. Bulk purchases or vendor discounts can reduce per-unit cost, especially for large industrial deployments. In summary, Moxa optical modules cost between \$50 and \$500, with...

Article Content

SFP Modules

Moxa's small form-factor pluggable transceiver (SFP) Ethernet fiber modules for 2.5 Gigabit Ethernet provide coverage across a wide range of communication distances.

IMC-101 Series

The IMC-101 industrial media converters provide industrial-grade media conversion between 10/100BaseT(X) and 100BaseFX (SC/ST connectors). The IMC-101

2026 Moxa Product Selection Guide | Moxa

The refreshed Moxa Product Selection Guide offers a complete overview of our network infrastructure, edge connectivity, and industrial

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Compatible OEM transceivers for Moxa devices

In this category you can find some Moxa compatible coded Gigabit Ethernet SFP modules and 10Gigabit SFP+ modules. We can offer SFP and SFP+ modules for

Compatible OEM transceivers for Moxa devices

We can offer SFP and SFP+ modules for multi-mode fiber with 850nm and for single-mode fiber with 1310nm. Transceivers for Moxa devices in many different designs, always up to date. Suitable for

MOXA Serial-to-Ethernet Modules, Serial-to-WiFi Modules, 10 Gigabit ...

MOXA Serial-to-Ethernet Modules, Serial-to-WiFi Modules, 10 Gigabit Optical Transceivers

Moxa Ethernet to Fiber Media Converters (IMC Series)

Moxa Ethernet to Fiber Media Converters convert Ethernet data to fiber optic signals. Even in harsh industrial environments, they provide reliable and stable

Moxa I/O Modules

Moxa I/O Modules for NA-4010/4020/4021 & ioLogik E4200 Network Adapters.

Unmanaged Switches

Moxa has a large portfolio of industrial unmanaged switches that have been specifically designed for industrial Ethernet infrastructure. Our unmanaged

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Colterlec has partnered with Moxa to provide a full spectrum of quality products for industrial networking, computing, automation and IIoT.

Ethernet-to-Fiber Media Converters

Moxa's Ethernet to Fiber media converters feature innovative remote management, industrial-grade reliability, and a flexible, modular design that can fit any type of

Ethernet Embedded Modules

Our Ethernet embedded modules are designed for device manufacturers who want to enhance the performance and reliability of their solutions, and want to make

Optical Transceivers

Sort By: GBICS SFP-1GSXLC - Moxa Compatible 1000BASE-SX SFP 850nm 550m Transceiver Module £27.00 GBICS SFP-1FEMLC-T - Moxa Compatible 100BASE-FX FE SFP 1310nm 2km DOM I-Temp

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NEW MOXA SFP-1GLXLC V1.1 Optical Module Fast Shipping

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Ethernet Media Converters

Moxa's industrial Ethernet media converters provide reliable and stable conversion of Ethernet data to fiber optic signals, even in harsh industrial environments.

SFP-1GLXLC

Gigabit Ethernet SFP Modules Moxa's small form-factor pluggable transceiver (SFP) Ethernet fiber modules for Gigabit Ethernet provide coverage across a wide

PT-G7728 Series

Introduction The PT-G7728 Series modular switches provide up to 28 Gigabit ports, including 4 fixed ports, 6 interface module slots, and 2 power module slots to

TCF-142 Series

The TCF-142 media converters are equipped with a multiple interface circuit that can handle RS-232 or RS-422/485 serial interfaces and multi-mode or single-mode

Moxa Fiber SFP modules

Moxa's small form-factor pluggable transceiver (SFP) Ethernet fiber modules provide 10 Gigabit, Gigabit, and Fast Ethernet in order to ensure coverage across a range of distances.

Products | Moxa

Moxa is a leader in edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things.

Fiber Optic Adapters and Bypass Units

Moxa's fiber optic adapters and fiber bypass units are optional accessories that provide more fiber optic connection options for Moxa's industrial Ethernet switches.

IMC-101G Series

The IMC-101G industrial Gigabit modular media converters are designed to provide reliable and stable 10/100/1000BaseT(X)-to-1000BaseSX/LX/LHX/ZX media

MOXA price list

2-port IRIG-B time synchronization module with 4 DI/DO; DA-720 Peripherals Modules.

NEW Moxa SFP-1GLXLC V1.1 Gigabit Optical Module

New: A brand-new, unused, unopened, undamaged item in its original packaging (where packaging is ... Read more Brand MOXA UPC Does not apply MPN

Contact Us

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