

Article Overview

Huawei PTN optical modules typically range from \$50 to \$300 per module depending on type, reach, and supplier.

Pricing Overview

Huawei OptiX PTN series optical modules, such as the PTN 905B SFP modules, are available in single-mode (SM) and BiDi configurations with transmission speeds of 1.25Gb/s and ranges up to 10 km . Prices for these modules generally start around \$50-\$100 for standard 1G SFP modules. More advanced modules, such as those supporting higher speeds, longer distances, or specialized features, can cost \$200-\$300 or more per module depending on the vendor and whether it is an OEM or third-party compatible product .

Factors Affecting Price

- o Module Type and Speed: Standard 1G SFP modules are cheaper, while 10G or higher-speed modules (SFP+, QSFP28) are more expensive .
- o Transmission Distance: Modules designed for long-reach (LR) or extended distances (up to 120 km) cost more than short-reach (SR) modules .
- o OEM vs Third-Party: OEM-branded Huawei modules may carry a premium, whereas third-party compatible modules can be significantly cheaper while meeting the same optical specifications .
- o Special Features: BiDi transceivers, CWDM, or modules with enhanced monitoring (DOM/DDM) may increase the price .

Purchasing Options

- o Direct from Huawei or authorized distributors: Ensures warranty and full compatibility.
- o Third-party suppliers: Offer cost-effective alternatives, sometimes at 30-70% lower prices than OEM modules, especially for widely used types like LR4, CWDM4, or SR modules .
- o Online marketplaces: Websites like Router-Switch.com and FS.com provide global shipping and competitive pricing for PTN optical modules .

Practical Advice

When budgeting for PTN optical modules, consider cost per Gbps rather than module price alone. For example, a \$50 1G SFP module equals \$0.05 per Mbps, while a \$280 QSFP28 100G module equals \$0.0028 per Mbps, offering better cost efficiency for high-capacity networks . Always verify compatibility with your PTN platform (e.g., PTN 905B, PTN 990) and check warranty and support options.



PTN optical module price

The PTN 7900 is a heavyweight product of Huawei's mobile bearer solution. It supports 4G network upgrade to mobile bearer and

The Optical Module Market, valued at USD 30.01B in 2026, is projected to reach USD 66.94B by 2032, growing at a 14.1% CAGR.

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PTN (Packet Transport Network) refers to an optical transport network architecture and specific technologies: IP traffic between the

This Huawei eSFP optical transceiver operates at a 1310nm wavelength and

Check Huawei OptiX PTN 950 product catalog, product description and pricing information at itprice.com

PTN (Packet Transport Network) PTN (Packet Transport Network) refers to an optical transport network architecture and specific

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Huawei OptiX PTN 905B SFP module with BiDi transceiver, 1.25Gb/s, LC connector, 10km range. Ideal for high-speed networking.

Optical Modules Market size was valued at USD 3.5 billion in 2025 & is estimated to reach USD 8.2 billion by 2034,

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

The PTN 900 series, with the case-shaped design, are 5G-oriented access-layer products that meet the GE/10GE/25GE site-to-site

Model Number PTN50G 40km single-fiber optical module newly packaged price per unit Type Enterprise



PTN optical module price

Router Brand Name Hua

View and Download Huawei OptiX PTN Series quick installation manual online. Packet Transport Platform. OptiX PTN Series

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