

How much does an ONU optical network unit SFP cost



AI Overview

GPON/EPON SFP ONUs typically cost between \$50 and \$150 per unit, depending on brand, data rate, and compatibility. Overview ONU SFP modules are compact optical network units designed to plug directly into the SFP slot of switches, routers, or industrial devices, providing GPON or EPON connectivity without a separate external ONU. They support high-speed broadband services, commonly 2.5 Gbps downstream and 1.25 Gbps upstream, and can cover distances up to 20 km from the OLT. These devices integrate the functions of traditional ONUs into a small form factor, enabling easier deployment and reduced network footprint.

Factors Affecting Cost

Data Rate and Standard: Modules supporting higher speeds (2.5G/1.25G) or XPON compatibility (GPON + EPON) are generally more expensive than basic 1G SFP ONUs.

Brand and Interoperability: Well-known brands like PLANET, Optcore, and iszo may charge a premium for guaranteed compatibility with mainstream OLTs and advanced features like VLAN, QoS, and OMCI support.

Optical Class and Connector Type: Class B+ or higher modules, and those with SC/APC connectors, can cost more than standard SC/UPC variants.

Additional Features: Hot-swappable design, MAC/SN/LOID modification, and firmware upgrade capabilities can slightly increase the price.

Typical Price Range

Entry-level SFP ONUs: \$50–\$80, suitable for basic GPON/EPON connections with standard 1.25G/2.5G rates.

Mid-range SFP ONUs: \$80–\$120, offering better interoperability, extended distance support, and advanced management features.

High-end or XPON SFP ONUs: \$120–\$150+, supporting dual GPON/EPON standards, advanced QoS, and enterprise-grade reliability.

Purchasing Considerations

Ensure compatibility with your OLT to avoid registration issues. Some ISPs require specific ONU firmware or bridge mode settings. Check whether the SFP...

Article Content

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SFP optic modules convert electrical to optical signals for fast, long-distance data transfer. Hot-swappable, versatile, and compatible with various

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Answer: To choose the right ONU SFP Stick for your fiber network, you need to consider the type of fiber service you have, the required speed, and the compatibility with your existing network equipment.

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Explore detailed insights into ONU pricing, including features, advantages, and investment value for fiber optic network deployments. Learn about cost-effective solutions and future-proof technology options.

Optical Terminal

Huawei OptiXstar W626E-10 is an intelligent GPON and Wi-Fi 6 routing-type Optical Network Unit ONU, offering ultra-broadband access, high performance, and wide coverage to users.

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The Generic compatible 1.25G-TX/1.25G-RX transceiver is specifically designed

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Bridge ONU offers advanced network control with your own router, while Router ONU provides easy fiber setup and built-in management for home use.

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Learn SFP optical module types, speeds, reach, fiber connectors, coding and compatibility checks for network equipment.

Optical Terminal

The OptiXstar product series extends optical connectivity to every home, enterprise, and campus, bringing families closer and making enterprise operations far more

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SFP with PON MAC and w/o PON MAC

PON technologies, unlike Ethernet, are not P2P but one-to-many with two device types: ONU (Optical Network Unit)/ONT (Optical Network Terminal) and OLT

Amazon : Optical Network Terminal

Optical network terminals provide a seamless bridge between fiber optic and Ethernet networks. Discover plug-and-play convenience and auto-negotiation features.

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Explore Syrotech's range of SFP modules, offering scalable, high-speed connectivity solutions for modern networks and data centers.

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What is ONU and Why Does It Matter for Your Internet

What is Optical Network Unit (ONU)? An ONU converts fiber optic signals for your devices, ensuring fast, stable internet at home or business.

10G SFP Price Guide: How Much Does a 10G SFP Module Cost

The price of a 10G SFP+ module typically ranges from low double digits to several hundred dollars, and in some cases even higher. This wide gap is not random—it is mainly driven by transmission

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Adtran is a leading global provider of open, disaggregated networking and communications solutions that enable voice, data, video and internet

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

This blog will explore the function of SFP modules, SFP module types, applications and how to choose suitable SFP modules.

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Nokia Optical SC SFP Module

Nokia Optical SC SFP Module - 3FE46899AB - GPON ONU I-Temp 1310 TX - VBIUAC4EAA. Condition is New. Shipped with USPS Ground Advantage.

How much does an ONU optical network unit SFP cost

Discover optical network unit price deals on CE-certified GPON, EPON, and XPON devices with 2.4G/5G WiFi, ideal for FTTH networks. □Maximum Transmission Distance□The maximum

Contact Us

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