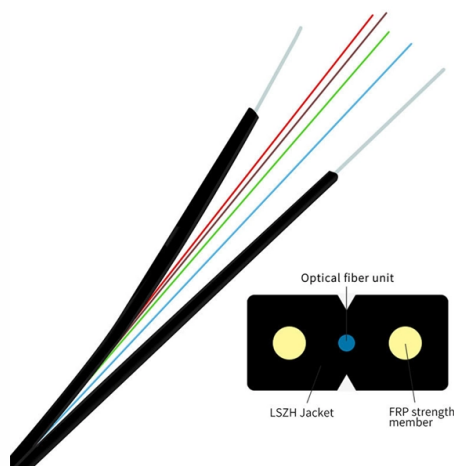


Purchase 10G GPON equipment



Overview

By using HSGQ's Combo PON technology, you can transmit both GPON and XGS-PON signals over the same fiber.

Key Takeaways

You can purchase 10G GPON (XGS-PON) equipment including OLTs, ONUs, and SFP modules from specialized suppliers like Langzhi, HSGQ, FS, and Amazon.

Key Equipment Options

1. Optical Line Terminals (OLTs)

- HSGQ XGS-PON OLTs: High-performance box-type OLTs supporting symmetric 10Gbps uplink and downlink, compatible with GPON, XG-PON, and XGS-PON protocols. Supports up to 512 ONUs per 4 XGS-PON ports, IPv4/IPv6, and advanced routing protocols like OSPF, RIP, and VRRP . Ideal for smart industrial parks, FTTR deployments, and budget-limited projects.
- FS OLTs: Offers a range of GPON, EPON, and XG(S)-PON OLTs suitable for various network scales .

2. Optical Network Units (ONUs) and SFP Modules

- Amazon XGS-PON SFP+ Transceivers: Hot-pluggable modules supporting 9.953 Gbps symmetric transmission, 20 km range, SC/APC or UPC interfaces, and carrier-grade QoS. Compatible with switches, routers, and fiber transceivers, supporting ITU-T G.987.2 and G.9807.1 standards .

- Langzhi ONUs/SFPs: Factory-direct GPON/EPON OLT, ONU/ONT, and SFP modules compatible with Huawei and ZTE equipment, with global shipping and OEM/ODM options .

Considerations When Purchasing

- Protocol Compliance: Ensure devices comply with ITU-T G.987 (XG-PON) or G.9807.1 (XGS-PON) for future-proofing .
- Split Ratios and Capacity: Check 1:64 or 1:128 split ratios and uplink ports (10GbE SFP+/25GbE) to match network density .
- Deployment Environment: Choose OLTs and ONUs based on residential, industrial, or FTTR deployment needs. Consider rackmount vs box-type OLTs for space efficiency.
- Support and Warranty: Verify supplier support, return policies, and firmware compatibility, especially for SFP+ modules .
- Supply Chain and Lead Time: Be aware of potential delays in optical components; plan procurement accordingly .

Recommended Suppliers

- Langzhi China: Direct factory pricing, global shipping, OEM/ODM available .
- HSGQ: High-capacity XGS-PON OLTs for 10G symmetric fiber access .
- FS: Wide selection of OLTs and accessories for GPON/XGS-PON networks .
- Amazon: Convenient purchase of XGS-PON SFP+ transceivers with support and return options .

By selecting equipment from these suppliers and ensuring compliance with XGS-PON standards, you can deploy a high-speed, future-proof 10G fiber network suitable for residential, commercial, or industrial applications.

Article Content

XGS-PON OLT | High-Speed 10G Symmetric Fiber Access | HSGQ

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OLT

Huawei OLT aggregates various terminals and provides high-density ports, which can reduce network nodes, sites, and equipment

Optical line terminals

Offering operator-specific 10G fiber platforms At the heart of a point-to-multi-point or passive optical network (PON) is the optical line

Langzhi: GPON EPON OLT ONU & onu manufacturer

Langzhi China is a professional FTTH equipment manufacturer specializing in GPON/EPON OLT,

About 10G GPON and 10G EPON XGS-PON XG-PON

EPON defined by IEEE and GPON defined by ITU are both ushering in an era of 10G PON.

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Explore our range of high-quality GPON, EPON, and XG(S)PON OLT products. Find the perfect Optical Line Terminal solutions for

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The MA5800 multi-service access device is a 4K/8K/VR-ready OLT in the gigabit ultra-broadband era. It supports the PON/10G

Transceivers for PON Networks

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An eight-port optical line terminal that can deliver 10 Gbps uplink/downlink speeds to over 2,000 subscribers.

Fiber ONT

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Discover 10G PON, including 10G EPON and 10G GPON. Learn about its evolution, benefits, applications, market

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Powerful 10G xPON ONT/ONU for Residential and Business Subscribers Meet everyone's bandwidth demands with Hitron's NOVA

How to Choose the Best GPON Equipment: A Complete Buying Guide

About GPON Equipment GPON (Gigabit Passive Optical Network) equipment refers to the hardware used in fiber-optic

Fiber, Wireless, SFP, Networking, Entrance & Security Products ...

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XGS-PON/GPON | TP-Link

TP Link - XGS-PON/GPON DeltaStream 16-Port Pizza-Box XGS-PON & GPON Combo Optical Line Terminal

Adtran

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GPON (Gigabit Passive Optical Network)

GPON (Gigabit Passive Optical Network) is a type of fibre-optic network used to provide high-speed internet, voice, and video

Exploring 10G PON Modules: XG-PON vs XGS-PON vs 10G EPON

PON (Passive Optical Network) is a point-to-multipoint (P2MP) fiber access network that uses passive optical splitters

Optical line terminals

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Amazon : Gpon Ont

XGSPON ONU Stick with Cooling Fan, 10G SFP+ Optical Transceiver with Web-Based Management (MAC, IP, SN) - for Mikrotik,

10G-PON | 10G Passive Optical Network | PON

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