

Huawei XGPongpon optical module



AI Overview

Huawei XGPON optical modules are high-performance SFP+ modules designed for asymmetric 10GPON networks, compatible with Huawei OLT boards and offering reliable delivery and factory-tested quality.

Overview Huawei XGPON optical modules are used in 10GPON networks, specifically for asymmetric high-speed broadband access. They are compatible with Huawei OLT boards such as the MA5800 series, including CGHD and CGHF combo boards, and support both XGPON and GPON services on the same module. XGPON modules are asymmetric, while XGSPON modules are symmetric 10GPON variants.

Key Specifications

- Upstream Bandwidth: Up to 1.1 Gbit/s
- Downstream Bandwidth: Up to 2.3 Gbit/s
- Form Factor: SFP+ (XFP in some models)
- Compatibility: Huawei OLT boards/cards including N2a, N1, Class C+/D modules
- Optical Power: Modules are factory-tested to ensure proper TX power and prevent overloading, which could damage the module

Quality and Testing Huawei XGPON optical modules undergo a strict 3-level quality control process:

- Initial inspection
- In-stock testing
- 24-hour pre-delivery testing

This ensures premium quality and reliability for network deployment. Modules are factory new and come in original packaging, minimizing compatibility issues.

Purchasing and Delivery Available from authorized resellers and online stores such as XponShop.com, Commmp.com, and GenuineModules.com. Estimated delivery ranges from 15 to 30 days, depending on the supplier. Payment options often include Wire Transfer, PayPal, L/C, Western Union, and Alipay.

Practical Considerations Ensure optical power is within safe limits to avoid module damage. Verify OLT board compatibility before purchase. Modules support asymmetric XGPON deployment, making them suitable for high-speed broadband access in enterprise and ISP networks. Huawei XGPON optical modules provide a reliable, factory-tested solution for modern fiber-optic networks, combining high bandwidth, compatibility with multiple OLT boards, and robust quality assurance.

Article Content

OM5270S-D2SW Huawei compatible XGSPON

OM5270S-D2SW Huawei compatible XGSPON & GPON OLT MSA Compatible SFP+ Single Fiber Module supporting ... Gbps in 20 km distance over Single

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Understanding Pluggable Optical Modules

Optical modules are available in various types to meet diversified requirements. Classified by transmission rate Currently, the transmission rates of optical modules cover a wide range. According

Optical Access

Based on PON technology, passive all-optical network access solutions enable access by any media, tailored to enterprises, ISPs, and MSOs.

Introduction for Huawei GPON Optical Module

Introduction for Huawei GPON Optical Module PON modules are the core of the PON boards, different modules have different optical power and receiver

GPON Optical Modules

Ensure that the optical power is not overloaded. Otherwise, the optical module may be burnt. In practice, the maximum upstream service bandwidth is 1.1 Gbit/s and downlink service bandwidth is 2.3 Gbit/s.

Huawei PON SFP Modules | GPON XG-PON XGS-PON & 50G-PON

Huawei PON SFP modules are carrier-grade optical transceivers designed for GPON XG-PON XGS-PON & 50G-PON broadband access networks.

GPON Optical Modules

10GE-CWDM SFP+ Optical Modules 10GE-DWDM SFP+ Optical Modules 40GE QSFP+ Optical Modules Industrial Optical Modules 100GE QSFP28 Optical Modules GPON Optical Modules 25GE

10 Gbit/s XFP Optical Module

10 Gbit/s XFP Optical Module You can use different levels of 10 Gbit/s XFP optical modules with OC-192/STM-64 POS interfaces and 10 GE interfaces. The wavelength of these 10

Understanding Optical Modules

This document explains optical modules, their types, and applications, providing a comprehensive understanding of their functionality and usage.

XGS-PON& GPON Combo OLT SFP+ Class D 20km DOM SC SMF Optical

Description The 10G-TX/10G(2.5G)-RX & 2.5G-TX/1.25G-RX transceiver module is specifically designed for 10-Gigabit-capable Symmetric Passive Optical Network (XGSPON& GPON) system. It integrates

Huawei XGS-PON& GPON OSGXGSC+01 Transceiver

Huawei XGS-PON& GPON OSGXGSC+01 Transceiver, Single-mode Module, 3-5 days global delivery, bulk stock and low price.

OM5270S-D2SW Huawei compatible XGSPON

Huawei compatible OM5270S-D2SW is XGSPON & GPON OLT SFP transceiver, operating over Single-Mode Fiber (MMF) optical cable. It has minimum

HUAWEI XGPON& GPON OLT CLASS C+/D/N2a/N1

HUAWEI XGPON& GPON OLT CLASS C+/D/N2a/N1 optical module. Compatible with Huawei OLT boards/cards. For any other requirements, please feel free to

Typical Troubleshooting Cases of Optical Module

Check whether an optical module is a bogus one. An optical module delivered by Huawei is uniquely identified by an SN. If two or more optical modules have the same SN, bogus optical modules are

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

Buy Huawei OLT XGSPON & GPON Module OM5270S-D2SW C

Huawei Original OM5270S-D2SW, HSC, XGSPON & GPON-OLT-Class C+ SFP+ for Huawei XGSPON board, 34061720 5 Stars RFQ Category: Huawei PON Optical Module, GPON Module, XGSPON

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, CFP2, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Contact Us

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