

Compatible with Huawei OLT optical modules



AI Overview

Huawei OLTs require certified optical modules for reliable operation, though some third-party modules may work if they meet Huawei standards and firmware requirements. Certified Huawei Optical Modules Huawei recommends using Huawei-certified optical modules to ensure full compatibility and service stability. Certified modules undergo comprehensive testing for installation, transmit/receive power, signal quality, fault tolerance, EMC compliance, and environmental performance. Using non-certified modules can lead to issues such as interface damage, abnormal data bus behavior, electromagnetic interference, and service interruptions due to temperature sensitivity or nonstandard design. Certified modules are labeled with "HUAWEI" and meet Huawei's switch or OLT certification standards. Third-Party Module Compatibility Some third-party modules, like the OM5270S-D2SW, are designed to be compatible with Huawei OLTs, supporting XGSPON and GPON technologies over single-mode fiber. These modules provide diagnostic monitoring (DDM/DOM), operate in industrial temperature ranges (-40°C to 85°C), and comply with standards such as SFF-8472, ITU-T G.9807.1, and ITU-T G.987.2. They can work with most Huawei OLTs unless the device implements special protection algorithms against third-party modules. Custom firmware may be required for full interoperability in some cases.

Huawei OLT Models and Compatible Modules

MA5800 Series: Supports GPON, 10G PON, 50G PON, GE, and 10GE interfaces. Compatible with Huawei GPON Class C+ HSC optical transceivers, which support distances up to 40 km and comply with ITU-T G.984.2 Class C+ specifications.

MA5600T/MA5603T/SmartAX Series: Compatible with widely tested ONUs like the L801 XPON ONT and L881G XPON ONT, which are tuned for Huawei OMCI handling

Article Content

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs.

400G FR4 delivers ~40% better fiber utilization in campus backbones LPO-compatible modules reduce power consumption by ~2.5W per port For 2026

OLT Buying Guide 2026 | How to Choose Optical Line

Web-based management, good compatibility. Our Langzhi OLTs: We offer pre-configured Huawei, ZTE, and FiberHome OLTs with full testing and

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality. The functions include the installation and removal, transmit and

OM5270S-D2SW Huawei compatible XGSPON

Huawei compatible OM5270S-D2SW is XGSPON & GPON OLT SFP transceiver,

Huawei 40G QSFP Switch Guide: CE6800 & CE12800 Specs

Compare Huawei CloudEngine 40G switches (CE6800, CE12800), QSFP+ module compatibility (SR4/LR4), and deployment guidance for AI-ready Ethernet fabrics.

Huawei SFP Module Price

Find huawei sfp module price and other fiber optic transceivers at our reliable supplier. High-quality, compatible, and affordable solutions for your network.

OLT: Central Device in FTTH Networks

□□ What is OLT (Optical Line Terminal)? The Optical Line Terminal (OLT) is the central device in an FTTH (Fiber to the Home) network. It is installed at the Internet Service Provider (ISP) and ...

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

These modules support transmission distances up to 60 km, provide excellent optical budgets, and are optimized for deployment in Huawei OLT platforms and modern Fiber-to-the-Home

Optical Access

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

What Is an Optical Distribution Network (ODN)? - The Ultimate Guide

□□ What Is an Optical Distribution Network (ODN)? An Optical Distribution Network is a passive optical transmission system composed of optical fibers, splitters, distribution frames, and

Top 5 Best OLT Devices for High-Performance GPON and EPON

Compare top OLTs: Huawei MA5800, ZTE C320, VSOL V1600G2, FiberHome AN5506, Langzhi Mini EPON OLT

Alcatel-Lucent (Nokia) 3HE00564CA 01 10GBASE-LR XFP Optical

The Alcatel-Lucent (Nokia) 3HE00564CA 01 is a genuine original 10GBASE-LR XFP optical transceiver, manufactured by Finisar for Nokia/Alcatel-Lucent. Designed for carrier-grade 10 Gigabit Ethernet

Optical Transceivers: Price vs Cost Considerations

Before choosing an optical module, it is also worth checking: - Compatibility with your switch, router or OLT - Transmission distance, wavelength and fiber type - Testing and batch consistency ...

switch sfp+

1.25Gb SC SFP Fiber Module to RJ45 Fiber Optic Media Converter 1000Mbps SFP Fiber Switch with SFP Module Cisco/Mikrotik/Huawei US \$49.05 US \$83.42 -41%

Huawei Original Om5052, Hsc, Gpon-Olt-Class C++ SFP for Huawei

Huawei GPON OLT C++ SFP is inserted in service board like GPFD GPBD GPBH GPHF etc and provides one or more transceiver module slot.

PON Types: APON, BPON, EPON, GPON, XGS-PON Guide | Elfcam

The OLT has two cards or a Combo PON module, the splitter and the fibre remain unchanged. 4NG-PON2, why is it rarely deployed ? NG-PON2 uses TWDM (Time and Wavelength

What is ONU (Optical Network Unit)?

Step 5: Ensure Compatibility with OLT and Network Protocol Check that the ONU matches your OLT brand and PON standard. Supports GPON /

Huawei RRU SFP

Huawei RRU SFP module, optical transmission device, low price around \$7, minimum order of 1 unit. Suitable for wholesale, available in bulk, wireless infrastructure equipment.

Huawei Compatible OSG002004 GPON OLT Class C+ Module

Our OSG002004 transceiver is CE/RoHS certified and it is Compliant with product safety standards. The GPON SFP is fully compliant to SFP Multi Source Agreement SFF-8074i.

Gpon olt-AliExpress

The GPON OLT (Gigabit Passive Optical Network Optical Line Terminal) is a critical component in fiber-optic broadband networks, serving as the central hub that connects multiple ONTs (Optical Network

Gigac Technology

Gigac is a leading manufacturer of fiber optic communication components and GPON equipment. We specialize in producing a wide range of optical

Haile GPON OLT SFP-GPON-OLT-40 | 40KM Optical Module SC

With a powerful 40KM transmission capability and SC interface, this GPON OLT module is fully compatible with Huawei, ZTE, and Cisco devices. Built for carrier-grade reliability, it ensures stable,

Displaying Optical Module Information

To determine whether optical modules delivered for Huawei switches before January 1, 2016 are certified ones, contact Huawei technical support. If your optical modules are delivered after January

iFTTO Solution

Optical splitter Optical NIC | Panel | SFP ONU Cloud-computing platform Edge-OLT computing board Device-ONU computing Industry"s highest-density triple-mode integration 16-port

Troubleshooting Generic OEM ONU with Huawei GPON OLT:

This FAQ addresses the most critical pre-sales and post-sales technical questions regarding optical module compatibility, throughput, configuration, and troubleshooting for mixed-vendor GPON networks.

OM5052 GPON OLT SFP Module: A Deep Dive into Performance,

The OM5052 GPON SFP module ensures reliable gpon fiber performance in long-distance FTTH deployments, supporting up to 20 km with Class C++ power, full compatibility across Huawei OLT

Buy Huawei ZTE Nokia FiberHome GPON OLT Best Price and

Inquire MA5600T/MA5800, ZTE C300/C600, Nokia 7360 FX, and FiberHome AN5516/AN6000 OLT Price, Wholesale Huawei/ZTE/Nokia/FiberHome OLT with best discount, Best price for bulk

GPON OLT SFP Class C+ with compatible test assured

This GPON OLT transceiver module consists of 1490nm continuous-mode 2.5Gbps DFB transmitter, 1310nm burst-mode 1.25Gbps APD receiver, Preamplifier and WDM filter in a high-integrated optical

United Supply Corp. Ubiquiti UISP Fiber XGS/XG Optical Transceiver ...

Xg/Xgs-Pon Optical Transceiver. 10 Gbps Optical Transceiver Module Designed For The Uisp Fiber Olt Xgs. 10 Gbps Throughput, Compatible With Uisp Fiber Olt Xgs, Uisp Fiber Xg/Xgs, Supports

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034,

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