

Huawei OLT Certified Optical Module



AI Overview

Huawei OLT optical modules, such as the GPON Class C+ HSC, are high-performance SFP-based transceivers designed for seamless integration with Huawei OLT systems, supporting long-distance GPON deployments.

Overview of Huawei OLT Optical Modules

Huawei OLT optical modules are plug-in transceivers used in GPON fiber access networks. A common example is the GPON OLT Class C+ HSC module, which supports transmission distances of up to 40 km, offers high optical power, and superior receiver sensitivity. These modules are fully compliant with ITU-T G.984.2 Class C+ specifications and are compatible with Huawei OLT equipment such as MA5800, MA5680T, and MA5600T. They are optimized for high-density FTTH, FTTB, and other PON deployments, ensuring stable performance in demanding network environments.

Key Specifications

- Module Type: SFP-based GPON transceiver
- Transmission Distance: Up to 40 km
- Optical Power: High transmit power with superior receiver sensitivity
- Standards Compliance: ITU-T G.984.2 Class C+
- Compatibility: Huawei MA5800, MA5680T, MA5600T, and similar OLTs
- Deployment Scenarios: FTTH, FTTB, high-density PON networks

Monitoring and Diagnostics

Huawei OLTs allow operators to monitor optical module status and performance using CLI commands:

- View module information:** `display transceiver [ interface interface-type interface-number | slot slot-id ] [ verbose ]` This command shows module type, optical power, wavelength, transmission distance, and other parameters.
- Check diagnostic information:** `display transceiver diagnosis interface [ interface-type interface-number ]` Provides digital diagnostic monitoring (DMM) data, including temperature, voltage, current, and optical power levels.
- Interface status check:** `display interface` Displays link status, interface rate, module type, and traffic statistics, which is essential for troubleshooting link abnormalities.

Certified Modules and Compatibility

Huawei recommends using Huawei-certified optical modules to ensure proper installation, si...

Article Content

Optical Modules for Huawei S Series Switches

Non-Huawei-certified optical modules are not verified through interoperability tests with Huawei switches and may cause unexpected problems when they are used on Huawei switches.

Important Notes About Using Optical Modules Certified for Huawei ...

Important Notes About Using Optical Modules Certified for Huawei Switches How to Identify Huawei-Certified Switch Optical Modules Risks of Using Non-Huawei-Certified Switch Optical

Huawei Original Om5052, Hsc, Gpon-Olt-Class C

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

Huawei SmartAX EA5800 Series OLT | Huawei Enterprise

The SmartAX EA5800 multi-service access device is an intelligent distributed aggregation OLT platform intended for enterprise customers. [Learn More.](#)

MA5801 | OLT | FTTH | Huawei Enterprise

As optical fiber access nodes keep moving closer to end users, OLTs are closer to end users. Deployment scenarios are complex and diversified. In this case,

SFP XG-PON& GPON-OLT Class C+ Module SFP for

Huawei CGHF is a 16-port XG-PON and GPON Combo OLT interface board with XG-PON & GPON C+/N2a Optical Module. It is used for MA5800-X2, X7, X15,

Original SFP Huawei GPON-OLT-CLASS-C+/C

We provide original new Huawei Routers,Switches,Firewalls,Wireless APs & controllers,OLTs,GPON modems,optical transceivers.Our company have more

ALM-3276800044 An Optical Module Installed on the Device Is ...

If this optical module is not delivered from Huawei or is not customized for Huawei, replace it with a Huawei-customized optical module. Cause 2: Temperature of the installed optical

Checking the Optical Module Type

For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor information in the product elabel and optical module information into HUAWEI. When an

MA5800 | Access | OLT | FTTH | Huawei Enterprise

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

How to Identify Huawei-Certified Optical Modules

Non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not responsible for any problem caused by the use of non-Huawei-certified optical

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

OM5270S-D2SW Huawei compatible XGSPON

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

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

All-optical Access Platform OLT

All-optical Access Platform OLT SmartAXMA5800 Best OLT Platform in the Gigabit Ultra-broadband Era The MA5800 series multi-service access device is the first OLT in the industry with distributed

Huawei Compatible OSG002004 GPON OLT Class C+ Module

OSG002004 is an Huawei Compatible SFP Transceiver supporting D:2.488Gbps/ U:1.244Gbps and 33dB optical budget in 20 km distance over SMF

Replacing an Optical Module

The device must use optical modules recommended on the configurator because non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not

Huawei Compatible OSG002004 GPON OLT Class C+ Module

OSG002004 is a Huawei Compatible GPON OLT Class C+ transceiver, operating over Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed optical budget of 33 dB, which in

Huawei GPON-OLT-CLASS C+ GPON OLT SFP Class C+ TX

Huawei GPON-OLT-CLASS C+ Compatible GPON OLT SFP C+ is a high-performance SFP GPON OLT Optical designed for GPON application, 1.244Gbps downstream and 2.488Gbps upstream.

Huawei Symmetric XGS-PON & GPON-OLT-Class C

Buy Huawei Symmetric XGS-PON & GPON-OLT-Class C+ Module with Compatible Test Report Assured, 3-Level Quality Control, at 8-Year Gold Supplier Thunder

Optical Module: Typical Optical Module Troubleshooting Procedure

Optical Module: Typical Optical Module Troubleshooting Procedure Check the model of the faulty optical module. If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module.

Risks of Using Non-Huawei-Certified Switch Optical Modules

Some non-Huawei-certified switch optical modules are not designed in compliance with EMC standards and have low anti-interference capability. Additionally, they bring electromagnetic

How to Identify Huawei-Certified Switch Optical Modules

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

Contact Us

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