ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Huawei optical module on C



Overview

Optical Modules for Huawei S Series SwitchesIf a non-Huawei-certified switch optical module with improper edge connector size is used on an optical interfa.

Key Takeaways

Huawei optical module C (C+) is a GPON SFP transceiver designed for high-performance Gigabit Passive Optical Networks, providing reliable optical signal conversion for Huawei OLT equipment.Overview

The Huawei GPON optical module C+ is a small, pluggable transceiver used in Gigabit Passive Optical Networks (GPON). It converts electrical signals into optical signals over fiber optic cables, enabling high-speed data transmission for services such as internet, video streaming, and VoIP . It is part of Huawei's GPON module lineup, which includes B+, C+, and C++, with C+ offering mid-to-high performance between the lower B+ and the top-tier C++ .

Key Features
• Compatibility: Designed for Huawei OLT boards such as MA5600T, MA5680T, MA5683T, and MA5800 .

• Optical Power: Typical transmit power is >7 dBm, with a receive power around 5 dBm, approximately 2 dB lower than the C++ module .

• Performance: Supports long-distance GPON transmission with high bandwidth, enabling multiple ONTs to connect to a single OLT, offering scalability and cost-effective deployment .

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• Security and Reliability: Fiber optic transmission reduces interference compared to copper cables, enhancing data security and network stability .

• Plug-and-Play: Hot-pluggable SFP form factor allows easy installation and replacement without disrupting network operations .
Differences from Other Modules
• B+ Module: Lower performance, higher fault rate, not recommended for critical deployments .

• C++ Module: Highest performance, higher cost, slightly higher optical power than C+ .

• C+ Module: Balanced performance and cost, widely used in standard GPON deployments .
Applications

The Huawei C+ optical module is primarily used in GPON OLT service boards to provide fiber access services to end-users. It is suitable for residential and enterprise broadband networks, supporting high-speed internet, IPTV, and VoIP services. Its reliability and compatibility make it a standard choice for Huawei GPON deployments . In summary, the Huawei optical module C+ is a mid-range GPON SFP transceiver that balances performance, cost, and reliability, making it a key component in Huawei's fiber optic access solutions.

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

Product Description Original SFP Huawei GPON-OLT-CLASS-C+/C++ Optical Module GPON Optical Module A GPON optical

Huawei GPON SFP B+ C+ C++ Introduction and Comparison

It converts electrical signals into optical signals over fiber optic cables in the GPON network. Huawei GPON module

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

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Huawei GPON OLT C++ SFP is inserted in service board like GPFD GPBD

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

Huawei GPON SFP Optical Modules

This document summarizes the specifications of three Huawei GPON optical modules. The modules operate at transmission

WHAT IS AN OPTICAL MODULE AND ITS FAQS (V200)

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into

SFP GPON OLT C++ C++ price and specs gpfd gpbd

SFP GPON OLT C++ is inserted in Huawei service boards like MA5608T MA5683T and MA5680T OLT

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

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Replacing an Optical Module

Follow these guidelines when replacing an optical module: Wear an ESD wrist strap or gloves when replacing the cables. Ensure

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Huawei GPON module has 3 types of Class B+, C+ and C++, price is different based on different modules equipped.

Optical Module Troubleshooting

The optical module installed on the optical interface is not certified for Huawei data center switches. The optical

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Understanding Pluggable Optical Modules

An eSFP optical module is an SFP optical module that supports monitoring of voltage, temperature, bias current, transmit optical

Troubleshooting Optical Module Issues

The Huawei-certified optical module has a silkscreen label of five lines printed above the barcode, and the silkscreen

Displaying Optical Module Information

Learn how to display optical module information on Huawei devices using specific commands and understand the

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A QSFP-DD optical module is a high-speed pluggable optical module defined by QSFP-DD MSA. CXP: hot-pluggable high-density

Huawei Enterprise Support Community

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SFP-10G-LR, Huawei SFP+ Optical Transceiver, 10G, 1310nm, 10km

Huawei SFP-10G-LR 10G SFP+ 1310nm 10km single-mode LC module for enterprise and carrier networks. Check real-time Huawei

What Is StarryLink Optical Module? Why Do We Need It?

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module

Huawei Campus Optical Module Portfolio

About Us How to Buy Partner Resources Quick Links HUAWEI eKit App Huawei HiKnow App HUAWEI eFly App

Optical Amplifier Overview

An optical amplifier (OA) is a C-band pluggable optical amplification module, which can be configured at the transmit

Understanding Optical Modules

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

10GE SFP+ Optical Modules

The image of an optical module of the same type (10GE SFP+ Optical Modules) is used for reference.

Displaying Optical Module Information

If an optical module on an interface is faulty, you can run the display commands to view information about the optical module.

FAQ-How Do I View the Transmit and Receive Optical Power of an Optical ...

In V100R006C03 or V100R006C05 of fixed or modular switches The RX Power (dBM) field in the command output indicates the

What Is an Optical Module and Its FAQs (V300)

Fundamentals of an Optical Module As an important part of fiber-optic communication, an optical module is a

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StarryLink Optical Module

Huawei''s StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios,

Optical Fiber

A 40G optical module uses four channels to transmit laser and four channels to receive laser. That is, a total of eight channels are

Typical Troubleshooting Cases of Optical Module

General Optical Module Troubleshooting Procedure Check whether an optical module is a bogus one. An optical module delivered

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