Where to find the optical module model



Overview

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

Key Takeaways

You can find the optical module model by checking the module label, using network device commands, or consulting manufacturer resources.

Physical Inspection

Most optical modules, such as SFP, SFP+, XFP, or QSFP modules, have a label on the module itself that displays the model number, vendor, and key specifications like bit rate and wavelength. The label is typically located on the top or side of the module and may include a barcode or serial number. Inspecting the label is the simplest way to identify the module model.

Using Network Device Commands

If the optical module is installed in a network device like a Cisco switch, you can query the module information via the device's command-line interface (CLI). For Cisco devices: Connect to the switch and log in with appropriate credentials. Enter privileged exec mode.

Use commands such as show interface [interface ID] transceiver or show fiber optic port media converter [interface ID] to display the module type, vendor, and diagnostic data. These commands provide details including the module model, supported speeds, and compatibility information.

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Manufacturer and Vendor Resources

Manufacturers like TI, Cisco, and ETU-LINK provide online resources to identify and verify optical modules.

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I offers reference designs and product recommendations for various module types. Cisco provides a catalog of optics and compatibility guides to ensure the module fits your network platform. ETU-LINK also offers modules pre-tested for Cisco compatibility and instructions for checking module information.

Summary

To find the optical module model: Check the physical label on the module for model and vendor information.

Use CL

I commands on the network device to query module details. Consult manufacturer resources for specifications, compatibility, and reference designs. By combining these methods, you can accurately identify the optical module model and ensure proper deployment or replacement.

Article Content

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

Understanding Optical Modules: Working Principles, Structures, and ...

Explore the working principles, structures, and performance metrics of optical modules, essential components of optical fiber communication systems. Learn about key indicators such as

Checking the Optical Module Type

Log in to to view the optical module types supported by the switch. Different optical interfaces may support different types of optical

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

Cisco Optics | Transform Your Network

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Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

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.

Cisco Compatible Optical Modules Catalog

HARDWARE FEATURES All modules in the Cisco Compatible Optical Modules Catalog are built with industry-leading laser technology, including uncooled DFB (Distributed g Laser) opt to optimize

Understanding Optical Modules: Types and Troubleshooting Guide

Optical Modules (also known as Optical Transceivers) are critical components in fiber optic communication systems. As the core optoelectronic devices operating at the Physical Layer of the

How to Choose Optical Modules Correctly?

Optical modules are classified by package type, rate, laser type, center wavelength, mode, connector type, modulation format, transmission

Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical modules typically have an electrical interface on the side that

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TI DLP® System Design: Optical Module Specifications

ABSTRACT The objective of this application note is to help product developers better understand optical module specifications and related system design considerations. This information helps expedite

How to Choose Optical Modules Correctly?

What is an Optical Modules? Optical modules are pivotal components in optical fiber communication systems, operating at the physical layer—the foundational level of the OSI model.

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The Evolution of Optical Modules: Powering the Future

Enter optical modules, which leverage the power of light to transmit data efficiently over long distances, driving the next generation of technological

What is Optical Module？A Simple Guide for Beginners

What Exactly Is an Optical Module? An optical module is a compact networking component that converts electrical signals into optical signals for

Internal Structure of Optical Modules

Optical modules are key components in fiber optic communication systems, responsible for electro-optical conversion, meaning the conversion of electrical signals to optical signals or vice

What Is An Optical Module?

An optical module converts electrical signals to light for fast, reliable data transfer in networks, essential for cloud computing, telecom, and data centers.

Understanding Optical Modules: A Comprehensive Guide

Optical Module Basics: Understanding the Core ConceptsOptical modules are compact devices that convert electrical signals into optical signals and vice versa. They are used in fiber optic

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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