

How to identify the model of a gigabit optical module



Overview

Run the following command to view device board information and identification details of all optical modules: `show inventory` The output includes the module type, serial number, Cisco-compatible part number, and other details, which are retrieved from the pre-programmed. Run the following command to view device board information and identification details of all optical modules: `show inventory` The output includes the module type, serial number, Cisco-compatible part number, and other details, which are retrieved from the pre-programmed. Home / Blogs / How to identify the model numb. Basic Concepts of Optical Module Chip Models In optical communication equipment, an optical module (Optical Module) contains several types of semiconductor chips that work together to complete the transmission and processing of optical signals. For network engineers, knowing how to view and interpret SFP information from the Cisco command-line interface (CLI) is essential. By checking module health, compatibility, and digital diagnostics, you can quickly confirm correct installation, detect optical problems, and maintain accurate hardware. This feature gives the end user the ability to monitor real-time parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage. Figure 3-36 shows the structure of an optical module. Figure. Network administrators have a major challenge determining the right Cisco SFP modules, understanding complex model numbers that directly affect network performance and stability.

Article Content

Dec 03, 2025

How To View Port Status And Optical Module Information On Cisco ...

Additionally, identifying module information helps detect coding compatibility between the module and the switch. The following introduces the specific operations to view the working status ...

Dec 06, 2025

1G SFP vs 10G SFP+: How to Tell the Difference

This article explains how to identify 1G vs 10G SFP modules step by step. It covers basic concepts, technical differences, and practical methods you can use in real network environments.

Jul 26, 2025

How to identify and select different SFP optical transceiver modules ...

Familiarizing yourself with the various types of optical modules available and diligently considering factors like data rate, fiber type, and transmission distance will empower you to choose the ideal ...

Jul 18, 2025

Cisco SFP Modules for Gigabit Ethernet Applications ...

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

Nov 25, 2025

Models, specifications, and compatibility

Gigabit SFP optical transceiver modules use LC connectors. The specifications for Revision D transceiver products are the same as the specified Revision A, B, and C SKUs. Where support for a ...

Sep 02, 2025

How to identify and select different SFP optical ...

Familiarizing yourself with the various types of optical modules available and diligently considering factors like data rate, fiber type, and transmission distance ...

Dec 08, 2025

Cisco Command to Check SFP Module Details

For network engineers, knowing how to view and interpret SFP information from the Cisco command-line interface (CLI) is essential. By checking module health, compatibility, and digital ...

Jul 02, 2025

How to identify the model number of a fibre optic module chip

In summary, the chip model number of an optical module is a key identifier that provides important information about the chip's function, performance, and manufacturer.

Oct 01, 2025

1000BASESX SFP: How to Select the Right Optical Module

In this article, we'll first clarify what 1000BASESX SFP actually means, then walk through why correct selection matters, which specs to verify, how to confirm compatibility, what fiber requirements to ...

Jan 15, 2026

How to Decode Cisco SFP Module Model Numbers

Master Cisco SFP module codes to prevent network failures. Complete guide on decoding model numbers, verifying authenticity, and avoiding compatibility issues.

Jul 26, 2025

Understanding Optical Modules

If an optical module is installed in a running device, you can run the display interface transceiver command to view parameters of the optical module, including the center wavelength, ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://professionistidelverde.it>

Email: info@professionistidelverde.it

Phone: +49 176 4829 3715

Address: Friedrichstraße 123, 10117 Berlin, Germany

This document is for informational purposes only. Specifications subject to change without notice.

