

# How to identify the model number of a single-fiber optical module

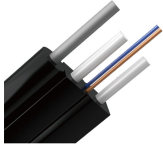


## Overview

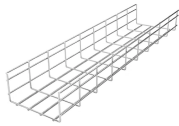
Run the following command to view detailed identification information of the optical module: `get switch modules detail` The output includes module type, package style, transmission distance, serial number, vendor information and other data programmed into the optical. Run the following command to view detailed identification information of the optical module: `get switch modules detail` The output includes module type, package style, transmission distance, serial number, vendor information and other data programmed into the optical. 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. In modern fiber-optic networks, SFP modules (Small Form-factor Pluggable transceivers) are widely used to connect switches, routers, and servers to fiber or copper cabling. These compact, hot-pluggable optical transceivers allow network engineers to flexibly select different transmission media. Network administrators have a major challenge determining the right Cisco SFP modules, understanding complex model numbers that directly affect

network performance and stability. FortiGate models that have SFP transceivers, or can accommodate SFP. By checking module health, compatibility, and digital diagnostics, you can quickly confirm correct installation, detect optical problems, and maintain accurate hardware inventory.

## How to identify the model number of a single-fiber optical module



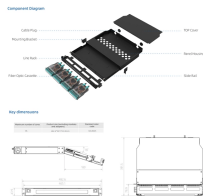
In summary, the chip model number of an optical module is a key identifier that provides important information about the chip's function, performance, and manufacturer.



To check the details of an SFP module in Red Hat Enterprise Linux (RHEL), you can use the `ethtool` command. Use the following command to check the SFP module details for a specific network interface.



**Model #:** Google the SFP model number to verify the module type. SFP and SFP+, although physically identical, are generally not compatible. SFP+ is "enhanced", and supports higher speeds ...



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



Run the display transceiver diagnosis interface [ interface-type interface-number ] command to view diagnostic information about a specified optical module. This command displays the digital diagnostic ...



We have previously covered how to read optical module information on mainstream switch brands such as Cisco, H3C and Huawei. However, Fortinet uses a ...



Learn how to check an SFP module using Cisco commands, diagnostics, and compatibility checks. Step-by-step guide to test SFP optics and choose the right module.



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 ...



This article describes the troubleshooting feature for when Small Form-Factor pluggable (SFP) transceivers are installed on the FortiGate showing vendor information, fiber type, ...



Check your device model and software version (show version), then consult Cisco's compatibility matrix to choose supported SFP modules matching your network requirements.



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## Contact Us

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