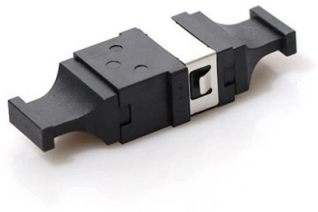
Optical modules with serial numbers



Overview

How Can I View the Serial Number of an Optical Module?

BarCode indicates the serial number of the optical module. Run the display transceiver interface.

Key Takeaways

Optical module serial numbers can be retrieved using device-specific commands or by checking the module label, enabling inventory tracking, diagnostics, and verification of module authenticity.

Huawei Devices

On Huawei switches, you can view the serial number of an optical module using the following methods: Electronic Label Command: Run display elabel to view the electronic label of the module.

The Bar

Code field indicates the serial number. Example output: CodeCopyBarCode=CB02UF1 SWItem=10300Mb/sec-850nm-LC-33Manufactured=2011-01-09 Transceiver Command: Use display transceiver interface interface-type interface-number to see detailed module information. The Manu.

Serial Number field shows the serial number along with vendor and manufacturing date. Physical Label: You can also check the label attached to the optical module for the serial number. This is useful if CLI access is unavailable.

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Cisco Devices

For Cisco devices, serial numbers and module details can be obtained via CLI commands: Show Inventory: show inventory lists all installed hardware, including SFPs, with Product ID (PID), Version ID (VID), and Serial Number. Transceiver Detail: show interface transceiver detail provides Digital Diagnostic Monitoring (DDM) metrics such as temperature, voltage, Tx/Rx power, vendor, and serial number. Logging Check: After inserting a module, show logging | include transceiver confirms recognition and helps detect unsupported transceivers.

Extreme Networks Devices

On Extreme switches, serial numbers can be viewed along with module health and diagnostics: Module Identification & DDM: Commands display Serial Number, Vendor Name, Part Number, Wavelength, Temperature, and Status. Example output: CodeCopySerial Number: M5123456Vendor Name: OEMWavelength: 1310 nmTemp (Celsius): 30. 38Status: Normal Port Status: You can query all ports or a specific port to monitor link connectivity and optical power, which helps verify module operation and compatibility.

Best Practices for Serial Number Management

Inventory Tracking: Maintain a spreadsheet or DCIM system logging serial numbers, product IDs, installation dates, and port mapping. Regular Monitoring: Use DDM metrics to track module health and detect degradation early. Replace modules if readings exceed thresholds.

Physical Handling: Store spare modules in anti-static packaging, in a dry environment, and within recommended temperature ranges (0–40°C for Cisco SFPs) to prevent damage. Vendor Verification: Use certified modules to avoid compatibility issues, data bus errors, or physical damage to interfaces. By following these methods, network engineers can efficiently identify, monitor, and manage optical modules across different vendor platforms, ensuring reliable network performance and accurate inventory control.

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Article Content

How Can I View the Serial Number of an Optical Module?

BarCode indicates the serial number of the optical module. ... Run the display transceiver interface interface-type interface-number command to view information about a specified optical module.

How Can I View the Serial Number of an Optical Module?

How Can I View the Serial Number of a Device? How Can I View the Serial Number of a Card? How Can I View the Serial Number of a Power Module? How Can I View the Serial Number of a Fan

Cisco Command to Check SFP Module Details

Label and Document - Tag each optic with port mapping, serial number, and install date. Store Spares Properly - Anti-static packaging, dry environment, 0–40 °C temperature.

Online Test Results | Optical Communications | Corning

From locating your serial number to troubleshooting tips, you will find everything you need to help you retrieve test reports for Plug and Play™, EDGE™ and EDGE8 ® Solutions. Our products are

How to check SFP Module transceiver, Vendor name & power check

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.

How To View Port Status And Optical Transceiver Information

Reading internal transceiver parameters helps monitor link connectivity, optical power, temperature and coding compatibility between transceivers and Palo Alto firewalls. This document

Optical module design resources | TI

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

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

show-system-inventory-hardware-optics

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Display port information of all hardware optics installed in the router, including the Xcvr vendor details and serial number.

How To Find SFP Details Without Getting Off The Chair

Using ethtool on AHV and XenServer will help with retrieving information like vendor, model, part number, serial number, transceiver type, cable length, connector type, signal quality, and

Datasheet Archive: FINLAND LOW-POWER OPTICAL MODULE

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Arista Optics Modules and Cables

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Optical networks

An optical transport network is a high-speed communication system that sends light signals over fiber-optic cables to move large amounts of data across long

Linear Pluggable Optics – An Overview

Comparison of proposed solutions: In response, several solutions such as Linear Receive Optics (LRO), Linear Pluggable Optics (LPO) and Co-Packaged Optics (CPO) have been proposed. Fig. 1

Datasheet Archive: RECOMMENDED NATIONAL STANDARD CLASS A OPTICAL

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

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