

How to tell if an optical module is 100Mbps or 1Gbps



Article Overview

Check the label or model name: 100Mbps modules are often labeled 100Base or FE, while 1Gbps modules are labeled 1G, 1.25G, or GE.

Check the Label or Model Name

The fastest and most reliable way to identify an optical module's speed is by examining the label or model name on the module itself. Common indicators include:

- 100Mbps modules: labeled as 100Base, FE, or 155M
 - 1Gbps modules: labeled as 1G, 1.25G, or GE
- The label may also include the form factor (e.g., SFP), wavelength, and transmission distance, which can help confirm the module type .

Form Factor and Physical Appearance

Both 100Mbps and 1Gbps modules often use the SFP (Small Form-factor Pluggable) package. While the physical size is similar, the labeling and printed specifications are key to distinguishing them .

Using DDM or Device Interface

If the label is missing or unclear, you can check the module's Digital Diagnostic Monitoring (DDM) information via the switch or router interface. Most network devices...

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1 G SFP-T port with 100 Mbps configuration using set interfaces <interfaces-name> speed 100m operates only in 100 Mbps speed on

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Both modules operate at 100Mbps, but the transmission media differs. The decision between fiber (FX) and copper (TX) depends

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Learn how to choose the right SFP module based on compatibility, speed, fiber type, wavelength, and distance.

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Speed stuck at 100Mbps on 1Gb Fibre

-Speed on Ethernet does NOT change from 100Mbps. (But stays at 1.0Gb within the Duplex settings) So even though

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Experiencing slow network speeds on your Gigabit switch? Discover why your gigabit connection isn't getting Gigabit

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When working with Small Form-factor Pluggable (SFP) transceivers, identifying whether your SFP is 1G or 10G is crucial for ensuring

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Explanation of Optical Module Parameters

Considering that some newcomers to optical modules may not understand the letters on the optical module or the

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100M SFP vs 1G SFP vs 2.5G SFP

This article aims to compare the advantages and disadvantages of 100M, 1G, and 2.5G SFP modules. If you want to

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Learn how to test optical transceiver modules using power meters, BERT testers, and DDM tools. Ensure

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Understanding Fiber Internet Speeds: 500 Mbps, 1 Gbps, 2 Gbps, and

In this blog we break down what various fiber speeds—500 Mbps, 1 Gbps, 2 Gbps, and 5 Gbps—actually mean for

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Hello! As the title says, the wired network on my PC says and works at 100Mbps when it used to do 1Gbps. The setup

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How Do I See the Optical Module Rate?

The most intuitive and fastest way to check the speed of an optical module is to check the model name on the label of

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100M SFP vs 1G SFP vs 2.5G SFP

For large-scale data centers, high-traffic applications, or HD video transmission, the 1G SFP module's bandwidth may

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View the Optical Module Status on a Switch

Objective The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in their

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Complete Guide to Choosing the Right 100M Optical Transceiver

Choose the right 100M optical transceiver by checking compatibility, fiber type, wavelength, distance, data rate,

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SFP Data Rate Explained: 1G vs. 10G vs. 25G Selection Guide

Understand SFP data rate differences across 1G, 10G, and 25G. Learn compatibility, speed limits, and how to choose

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Upgrading my network to gigabit speeds and don't know how to determine if the NIC in one of the systems is capable of gigabit

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1gbps status, but speedtest only 100mbps

It turns out the the problem was not on my side. There was something wrong with the cable from the ISP's side (not

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10 100 1000 Base T Explained: A Guide to Gigabit Ethernet

10 100 1000 Base T connectivity can also be delivered through copper SFP modules, which provide an RJ45 Ethernet interface

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Supposed to have Gigabit connection but only get 100mbps on

So when i check "Local area connection" it says 1Gbps but i only receive 100mbps no matter what. I checked the cables and they are

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