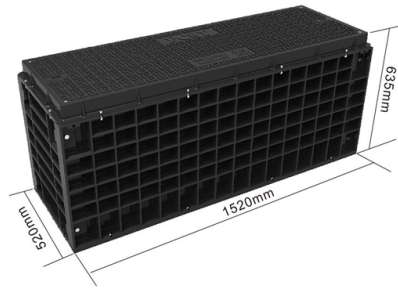


Are the GE and 10GE optical modules the same size



Article Overview

No, GE and 10GE optical modules are not the same size; 10GE modules are typically SFP+ or XFP, which are larger or differently designed than standard GE SFP modules.

Physical Form Factors

GE (Gigabit Ethernet) modules generally use the SFP (Small Form-factor Pluggable) interface, which is compact and supports 1 Gbit/s transmission over fiber or copper connections. These modules are designed for high port density and are widely used in enterprise and data center networks. 10GE (10 Gigabit Ethernet) modules commonly use SFP+ or XFP form factors. SFP+ modules maintain a similar interface size to SFP but include enhancements to support higher data rates, tighter electromagnetic interference (EMI) control, and improved thermal performance. XFP modules are larger than SFP+ and provide 10 Gbit/s transmission with additional features like electrical-to-optical conversion and a single-lane interface.

Key Differences

- SFP (GE): Supports 1 Gbit/s, smaller and simpler design, LC fiber connectors.
- SFP+ (10GE): Supports 10 Gbit/s, same cage size as SFP but with tighter tolerances and EMI shielding, LC fiber connectors.
- XFP (10GE): Larger than SFP+, supports 10 Gbit/s, uses XFI interface, often used in longer-distance or higher-performance applications....

Article Content

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Pluggable Optical Modules: Transceivers for the Cisco ONS Family

XFP Transceiver module for the Cisco ONS Family SFP+ module An SFP+ transceiver module (Figure 3) is a

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Types of Optical Modules

To meet various transmission rate requirements, optical modules with different rates are provided, including 400GE, 100GE, 40GE,

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Can GE Optical Interfaces Use 10GE Optical Modules?

When GE optical interfaces are used as service interfaces for data transmission, do not use 10GE optical modules for them.

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Types of Optical Modules

Depending on transmission rates, optical modules are classified into 100GE, 40GE, 25GE, 10GE, FE, and GE optical modules.

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10 Gigabit Ethernet standard (10ge) — Carrier Metro Ethernet ...

Similar to Gigabit Ethernet technology, the 10 Gigabit proposed standard supports both singlemode and multi-mode fiber mediums.

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Introduce Of Optical Module

Handle Receiver Transmitter Shell Label Dust cap Spring Module connector Types of Optical Modules Huawei optical transceiver are

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Need, Standards, Salient points and Challenges for 10GE (10 Gigabit ...

We would explore on whether there is a need for 10 GE ports, 10 GE interconnections, standards and types of

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Understanding the Difference: Juniper Compatible 10GE vs. OC192 Optical ...

Explore the key differences between Juniper compatible 10GE and OC192 optical transceiver modules. Learn about

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SFP 10GE Transceiver Module: Unlocking High-Speed Optical

The SFP 10GE transceiver module is the backbone of modern networking systems. It integrates high-speed optical

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Understanding 10GbE Optics Modules | PDF | Wavelength Division

It discusses older modules like XENPAK and newer smaller formats like SFP+, and explains the various optical standards for multi

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IXIA Novus 10GE/1GE/100M Ethernet Load Modules

988-0011: This is an SFP+10GBASE-SR/SW and 1000BASE-SX optical, dual-rate, 850nm transceiver with pluggable SFP+ interface.

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Overview 10G SFP+,X2,XENPAK SFP+ and XFP Transceiver Modules

The SFP+ module form factor is around 30% smaller, uses less power, requires fewer components, and is cheaper than the 10

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Inventory Of 10G Optical Modules

The 10G electrical port module is an electro-optical conversion module packaged in SFP+ form factor, with an RJ45

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Inventory Of 10G Optical Modules

SFP+ optical modules are widely used in 10G Ethernet due to their advantages of compact size, low cost and high

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Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the

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What Are the Common Types of Optical Modules?

What Are the Common Types of Optical Modules? Classification by Transmission Rate
To meet various transmission rate

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Types of Optical Modules

Optical modules are available in various types to meet diversified requirements.
Depending on transmission rates, optical modules

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Optical Module Classification and Common After-Sales FAQs

Explore the classification of optical modules based on transmission rate, package
type, mode, central wavelength, and

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Types of Optical Modules Type of Optical SFP PRICE AND SPECS

Optical modules are available in various types to meet diversified requirements.
Classified by transmission rates

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Types of Optical Modules

Types of Optical Modules Optical modules are available in various types to meet
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10 Gigabit Ethernet

10 Gigabit Ethernet Router with two dozen 10 Gigabit Ethernet ports and three types
of physical-layer module 10 Gigabit Ethernet

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10 Gigabit Ethernet

10 Gigabit Ethernet (10GE, 10GbE, or 10 GigE) is a group of computer networking
technologies for transmitting Ethernet frames at a

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What is the difference between 10g and 10ge?

In the realm of networking and telecommunications, understanding the differences between various terminologies and technologies

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Unlocking the Potential of 10GE SFP+: What You Need to Know About 10 ...

To begin with, what are 10G SFP transceivers? Small form-factor pluggable modules for 10 Gigabit Ethernet (10GE)

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Optical Transceiver: SFP+ 10GE

With the same module size, SFP+ optics support data rates up to 16 Gbit/s and are used in particular for 10 Gigabit Ethernet. Due to

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Checking Whether the Optical Fiber and Optical Module Match

They are often used for long-distance transmission. GE and 10GE optical modules have the same appearance. You can distinguish

Jul 31, 2025

SFP vs SFP+: The OEM Guide to 1G and 10G Optical Transceivers

While it retains the exact same physical dimensions (form factor) as the legacy SFP, the internal circuitry is upgraded

Jul 12, 2026

10GB SFP Module Guide: Types, Specs, and How to Choose

10GB SFP modules are available in multiple variants, each optimized for specific transmission distances, fiber types, and deployment

Sep 04, 2025

Can I use a GE Optical Module on a 10GE Optical Port in switch?

You can use a GE optical module on a 10GE optical port. A high-speed optical port supports low-speed SFP, eSFP, and SFP+

Contact Us

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