Hsc 10 Gigabit Optical Module Marking



Overview

10GE SFP+ Optical Modules Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

Key Takeaways

HSC 10 Gigabit optical modules are marked with key identifiers including data rate (10G), wavelength (850 nm, 1310 nm, 1550 nm), transmission distance, and form factor (SFP+), often including single-mode, multimode, or BIDI type.

Key Marking Elements

Data Rate and Form Factor HSC 10G modules are typically SFP+ transceivers, supporting 10 Gbps Ethernet. The marking usually includes "10G" or "10GE" to indicate the data rate and "SFP+" to indicate the form factor. Wavelength The module marking specifies the central wavelength for optical transmission: 850 nm for short-range multimode fiber1310 nm for long-range single-mode fiber1550 nm for extended long-range single-mode fiber Transmission Distance The marking may indicate the maximum supported distance, e.g., 10 km, 40 km, or 80 km, depending on fiber type and module design.

Single-



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Mode, Multimode, or BIDISM or Single-Mode: for long-distance single-fiber transmissionMM or Multimode: for short-distance fiberBIDI: bidirectional modules are marked with paired identifiers (e.g., SFP-10G-BXD1 and SFP-10G-BXU1) to indicate complementary transmit and receive wavelengths. Additional Markings Some modules include: TX/RX disable or monitoring featuresCompliance standards (e.g., RoHS)Manufacturer part numbers for compatibility with specific devices. Example of a Typical MarkingA module labeled SFP-10G-ER-1310 indicates: SFP+ form factor10G data rateER (Extended Reach)1310 nm wavelength For BIDI modules, markings like SFP-10G-ER-SM1270-BIDI indicate the transmit wavelength (1270 nm) and require a complementary module (e.g., 1330 nm) for proper operation.

Summary

When selecting HSC 10 Gigabit optical modules, the marking provides essential information about data rate, form factor, wavelength, transmission distance, and module type. Correct interpretation ensures compatibility with network devices and fiber infrastructure, especially for single-mode, multimode, and BIDI configurations.

Article Content

10GE SFP+ Optical Modules

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and

10 Gigabit Ethernet

The 10 gigabit module standard is the Enhanced Small Form-factor Pluggable transceiver, generally called SFP+. Based on the Small Form-factor Pluggable

10G SFP+ Active Optical Cables | Optical Interconnect

Amphenol''s 10G SFP+ optical modules include SFP+ AOC. They are compliant with SFP+ MSA, SFF-8431 and SFF-8472, and are mainly used in

Arista Optics Modules and Cables

Arista''s Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity options

01-10 OPTICAL MODULES

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XFP: 10 Gigabit small form-factor pluggable. X is the Roman numeral 10, meaning that all XFP optical modules provide a 10 Gbit/s transmission rate. XFP optical modules support LC fiber connectors.

HPE Comware-Based Devices Transceiver Modules

For the most recent list of HPE 10-Gigabit transceiver modules and cables, contact HPE technical support or marketing staff. • The available transceiver modules and cables vary by HPE devices.

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider transport applications.

Cisco Transceiver Modules

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

How do i know if my sfp is 1g or 10gb?

Most SFP modules have a label on them that provides essential information, including the speed. Look for markings such as "1G", "1000BASE" for 1 Gigabit, or "10G", "10GBASE" for 10 Gigabit.

2X10GL (2-Port 10GE Optical Ports Interface Card)

2X10GL (2-Port 10GE Optical Ports Interface Card) Card Overview The 2X10GL is a high-speed WAN access module that provides two 10GE optical interfaces for high-speed uplink connection. A

TP-LINK Omada Gigabit SFP Module, 1000Base-SX Multi-Mode

TP-LINK Omada Gigabit SFP Module, 1000Base-SX Multi-Mode Fiber Mini GBIC Module, Plug and Play, LC/UPC Interface, Up to 550/220m Distance (SM311LM)

HORACO 10G SFP+ Module 10GbE Copper SFP Modules Optical

HORACO 10G SFP+ Module 10GbE Copper SFP Modules Optical Port Turn to RJ45 Ethernet Port Gigabit 1000M Transceiver Module 4.9 84 Reviews □ 1,000+ sold US $17.37 76% off US $75.44 Tax

How to Choose Fiber Optic Cable for 10G SFP+ Optical Transceiver?

Overview of SFP+ Optical Transceiver Module Before coming to the main part of this article, let''s first have a brief overview of the SFP+ optical transceiver modules and 10G fiber &

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10 Gbit/s SFP+ Optical Module

You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces. The wavelength of these 10 Gbit/s SFP+ optical modules can be 850 nm, 1310 nm, or

10G Gigabit Single Mode SFP+ LC Module,10G 1310nm

□10GBase-LR SFP+□: 10 Gigabit Ethernet Single mode SFP+ Module, 10 Gb/s, 1310nm wavelength, Duplex Dual LC, SMF, operates on Single

10GE SFP+ Optical Modules

Fan Modules Installing a Power Surge Protector Pluggable Modules for Ports Understanding Optical Modules Understanding Copper Modules Understanding Hybrid Modules Guide to Using Pluggable

10G SFP+ Transceiver

10 Gigabit optical transceiver has a data rate of 10Gbps, packaging in SFP+. 10g sfp+ transceiver is widely used in 10 Gigabit Ethernet, SDH optical transmission networks, WDM wavelength division

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

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