

How to connect two optical module switches

Ordering information

NO.	1	2	3	4	5	6
Model	SP12M1	SP24M2	SP48M4	SP6M1	SP12M2	SP24M4
Product name	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel
Illustration						
HU	1	2	4	1	2	4
Maximum number of cores	144	288	576	144	288	576
Product size (including modules and adapters)	482.6*455*44 mm	482.6*455*88.1 mm	482.6*455*177 mm	482.6*455*44 mm	482.6*455*88.1 mm	482.6*455*177 mm
Standard color code	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005
Inventory	√	√	√	√	√	√

Overview

Plug four 10G SFP+ optical modules into the 10-Gbps SFP+ ports of a fiber network switch, then insert a 40G QSFP+ optical module into the 40-Gbps QSFP+ port of the other fiber network switch, and finish by connecting the two optical modules with a breakout fiber patch cable. In order to extend long distance network, it's common practical operation to use fiber optical cable to link two PoE switch. PoE switch, Fiber optical cable, SFP module, media convertor are all the required equipments to complete the setup. For example, you need to interconnect Cisco switches with HP switches. 1, Same wavelength In a fiber optic link, data is transmitted from. How to Ensure Interoperability Between Two Optical Transceivers?

When it comes to the connection between two fiber optic transceivers, the following four factors should be taken into considerations: wavelength, speed, fiber type, and the connection to switches.

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How to Interconnect Optical Modules of Different Brands? A large data center can often accommodate hundreds or even thousands of fiber optic switches, and it is usually necessary to connect switches ...



You can use any combination of SFP transceiver the VIVOTEK switches supports, but there are some requirements that need to be fulfilled:
Requirement 1: Each pair of SFP modules ...



Can two switches with fiber ports be directly connected through fiber ports? The answer is yes. The mainline of the fiber optic LAN directly connects to the switch, then to the router. The connection ...



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Taking 1G SFP optical modules and 10G SFP+ optical modules as examples, they have the same size and can be seamlessly installed onto SFP+ ports on switches, and vice versa.



Will the modules be compatible and operate flawlessly on my switches? This article will lead you to figure out the interoperability and compatibility nature of the optical transceivers.



Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right transceiver for Cisco, Juniper, and more.



Firstly, insert SFP module into media convertor and plug in the fiber optical cable. Next Connect the PoE switch with media convertor by using Ethernet patch cord.



SFP interface is commonly used in SFP port network equipment such as Ethernet switches, firewalls, routers, network interface cards (NICs) for both data communication and ...



Whether you are upgrading your network or setting up a new one this step by step tutorial will help you make the right choices.

Contact Us

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