

What does 10 Gigabit switch Ic interface mean



Overview

The LC interface is a fiber optic connector interface based on a 1.25-mm ceramic ferrule and the familiar latching mechanism of the RJ-45 modular plug and jack. The LC connector is a small-form-factor connector, offering a port density equivalent to the density allowed by modular. The SFP LC connector is a necessary part of fiber optic communication, used in switches, routers, and transceivers among other networking hardware. It allows fast data transfer through optical fibers which can be either single-mode or multimode. Its primary purpose is single-fiber bidirectional transmission, enabling the conservation of fiber capacity and facilitating flexible deployment. Design: This specification is commonly seen on routers, switches, computers, and network interface cards, indicating that a device supports multiple Ethernet speeds over copper twisted-pair cables. For many modern networks, it represents the baseline for reliable wired connectivity. Product Numbers: The following table provides an overview of the compatible and incompatible supervisor modules for each available. 10 Gigabit Ethernet (10GE, 10GbE, or 10 GigE) is a group of computer networking technologies for transmitting Ethernet frames at a rate of 10 gigabits per second.

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Provides a functional overview of the switch, describes how to install and rack-mount the switch, and make connections to the switch. It describes how to install the power supplies and how to ...



10 Gigabit Ethernet (10GE, 10GbE, or 10 GigE) is a group of computer networking technologies for transmitting Ethernet frames at a rate of 10 gigabits per second. It was first defined by the IEEE ...



What is an SFP LC Connector? The SFP (small form-factor pluggable) fiber transceiver is a small, hot-swappable unit that works with networking equipment for data communication and ...



Learn the key differences between SC and LC interfaces in 10G BiDi SFP+ transceivers, including structure, space efficiency, and ideal deployment scenarios for data centers, enterprise, ...



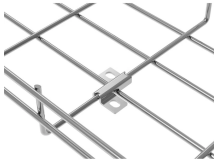
This 10G SFP+ managed switch operates at Layer 3, providing advanced network management features such as port mirroring, VLAN, static routing, link aggregation, DHCP, and ...



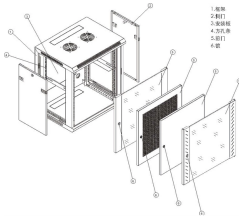
his Cisco SFP-10G-LR-S compatible SFP+ transceiver provides 10GBase-LR throughput up to 10km over single-mode fiber (SMF) using a wavelength of 1310nm via an LC connector.



The industry-standard Cisco Small Form-Factor Pluggable (SFP) Gigabit Interface Converter links your switches and routers to the network. The hot-swappable input/output device plugs into a Gigabit ...



The following sections explain the meaning of 10 100 1000 Base T, the technical principles behind it, and the network scenarios where it is most commonly used.



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SC Interface: Its plug - in design makes it often used in low - end Ethernet devices, such as 100Base - FX switches. LC Interface: Its mini design makes it suitable for high - density ...

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