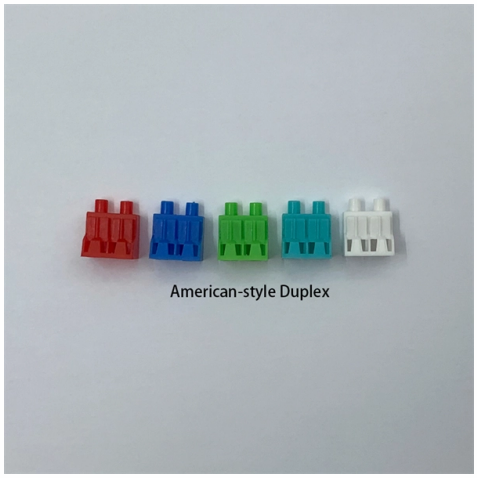
What is a server for optical modules



Overview

An SFP (Small Form-factor Pluggable) is a compact, hot-pluggable transceiver module that allows networking equipment — including switches, routers, servers, and media converters — to support different physical media, such as optical fiber or copper, without replacing the host hardware. The Optical Transceiver Module (optical module) is a fundamental optical communication device used in modern data centers and communication networks for high-speed data transmission. Its primary function is to achieve optoelectronic conversion by converting electrical signals into optical signals and vice versa. Realizing these benefits will also require a fundamental transformation in the way computing and switching assets are. Being an industry group uniting representatives of the data and optical worlds, OIF's purpose is to accelerate the deployment of interoperable, cost-effective and robust optical internetworks and their associated technologies. Optical internetworks are data networks composed of routers and data. Get the highest quality, performance-leading optical transceivers for any network architecture.

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Servers are usually equipped with optical modules for network connectivity and data transmission. Different servers and application scenarios may require different types of optical modules.

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