

# Transmission distance of optical module s electrical port



## Overview

4, Different transmission distance: the transmission distance of the electric port module is relatively short, up to 100m, and the transmission distance of the optical module can reach 5km to 100km depending on the type of optical fiber used together. Adaptive electrical port module is a gigabit optical module that can integrate 10/100/1000BASE three rates. Electrical port module is also known as optical port to electrical port module, photoelectric conversion optical module, it is a kind of module that supports hot-swappable, the package form is SFP, and the connector type is RJ45.  $\geq 30\text{km}$  is long distance transmission. Light commonly used in optical fiber is 850nm. Transmission Rate: The maximum speed the module supports (e. Critical for network bandwidth. Wavelength: The color of light used (e. Fiber Type: Single Mode & Multi-mode Fiber included.

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The transmission distance of optical transceiver modules is divided into short distance, medium distance, and long distance. Usually, short-distance ...



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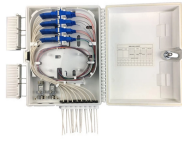
Customized QSFP-DD High-Power (Bright) DCO 400G DWDM Tunable Coherent □120km DOM Duplex LC/UPC SMF Optical Transceiver Module for ...



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Understand the key parameters of optical modules, including transmission rate, distance, wavelength, and fiber compatibility, for better network performance.



Number of electrical and optical ports per module, usable fiber types as well as the maximum achievable fiber-optic cable distances between two modules. For the precise conditions of use, refer to the ...



According to the different transmission distances of optical modules, they can be divided into three types: short-distance optical modules, medium-distance optical modules, and long ...



Explore the working principles, structures, and performance metrics of optical modules, essential components of optical fiber communication systems. Learn ...



The transmission distance of the electrical port module is relatively short, the farthest transmission distance is 100M, only suitable for short-distance data transmission, with high performance, small ...



Learn a field-ready fiber optic module guide to choose SFP, SFP+, SFP28, and newer pluggables by distance, optics, DOM, and switch compatibility.



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