

Transmission distance of 850nm multimode optical module



Overview

This SFP transceiver module provides a transmission distance of 550m over multimode fiber at a nominal wavelength of 850nm. The transmitter part adopts an 850nm VCSEL laser, which complies with the international safety standard IEC 60825 Class 1 laser. 850nm: It is a multi-mode communication method with relatively large attenuation, and the price of the light source transmitter and signal converter matched with the 850nm optical module is much lower than that of the 1310nm and 1550nm devices, making it a very economical communication method. Hot-pluggable SFP footprint, up to 2. Up to 550m on 50/125 μ m MMF. Support Digital Diagnostic Monitoring interface. The metal enclosure provides. Therefore, multi-mode fiber mostly uses 850nm wavelength optical transceiver modules for connection and transmission. Under 850nm wavelength, 100Mbps optical transceiver modules can transmit up to 2km, 1Gbps can transmit up to 550m, 10Gbps can transmit up to 300m, 40Gbps can transmit up to 400m. The transmission distance of optical module is divided into short distance, medium distance and long distance.

Transmission distance of 850nm multimode optical module



At a wavelength of 850nm, a 100M optical module can transmit up to 2km, a 1G can transmit up to 550m, a 10G can transmit up to 300m, a 40G can transmit up to 400m, and 100G and 400G can ...



The 2.5GBASE-SR SFP Optical Transceiver Module is a high-performance small form-factor pluggable SFP module for 2.5Gb/s serial optical data communications such as SDH STM-16 I ...



Perfect Match with MMF: Optimized for OM3, OM4, and OM5 multimode fibers, 850nm modules ensure reliable short-reach transmission at 10G, 40G, 100G, and even 400G data rates.



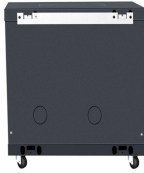
The 2.5GBASE-SR SFP Optical Transceiver Module is a high ...



The optical transceiver module is a duplex LC connector designed to provide an IEEE C37.94 link for 2Mb/s applications. It provides up to 2km transmission distance over multi-mode fiber at nominal ...



Under 850nm wavelength, 100Mbps optical transceiver modules can transmit up to 2km, 1Gbps can transmit up to 550m, 10Gbps can transmit up to 300m, 40Gbps can transmit up to 400m, and ...



Transmission Distance: Maximum of 150 meters (75 meters for OM3, 100 meters for OM4, and 150 meters for OM5). Interface Type: Typically uses an LC duplex interface. Wavelengths: ...



Perfect Match with MMF: Optimized for OM3, OM4, and OM5 multimode fibers, 850nm modules ensure reliable short-reach transmission at ...



When used with multimode optical fiber (LC/PC-LC/PC OM2), the transmission distance can reach up to 550 m, the transmission rate is 1.25 Gbps, and the interface type is LC Duplex.



Light commonly used in optical fiber is 850nm, 1310nm, 1550nm, these three light wavelengths are longer, so relatively less attenuation of optical fiber, and these three wavelengths ...



This module is designed to operate over multimode fiber systems using a nominal wavelength of 850nm. It has a transmission distance of up to 70 m on OM3 and 100 m on OM4 multi-mode fibers. The ...



The SR-1G-MM-SFP is a hot-pluggable, small form-factor pluggable (SFP) optical transceiver designed for short-range data communication over multimode fiber. Operating at 850nm with VCSEL laser ...



Under 850nm wavelength, 100Mbps optical transceiver modules can transmit up to 2km, 1Gbps can transmit up to 550m, 10Gbps can transmit up to 300m, 40Gbps ...

Contact Us

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