What are the optical modules like

Overview

They mainly consist of optoelectronic components (such as optical transmitters and receivers), functional circuits, and optical interfaces, aiming to achieve the functionalities of optical-to-electrical and electrical-to-optical signal conversion in optical fiber communication. The optical module serves as a crucial component in optical fiber communication systems, operating at the physical layer, which is the lowest layer in the OSI model. Operating at the physical layer of the OSI model, optical modules are core devices in optical. Optical Modules (also known as Optical Transceivers) are critical components in fiber optic communication systems. With the rapid development of optical communication,many scenarios in our work and life have now achieved "fiber replacing copper. These modules typically consist of a transmitter, which converts electrical signals into a light signal, and a receiver, which converts the received signal back. Optical modules are compact devices that convert electrical signals into optical signals and vice versa.

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