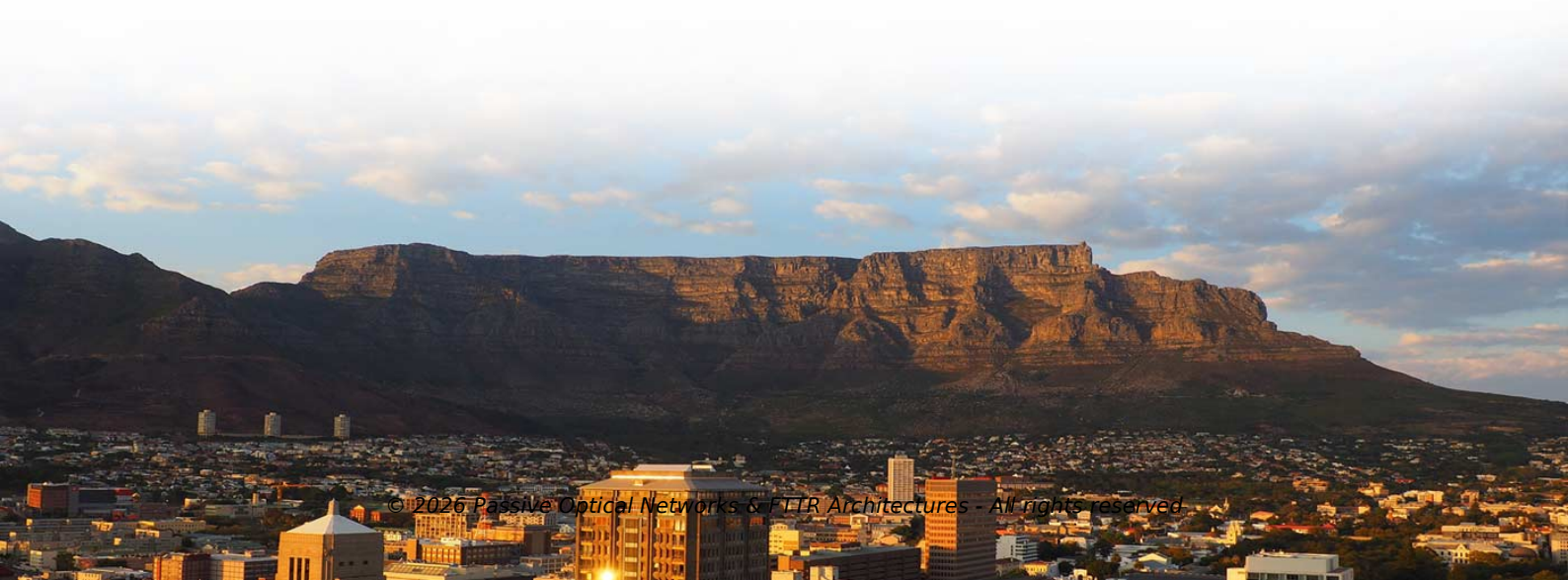
The chip used in the multimode optical module is

Overview

Their main chips include driver ICs, transimpedance amplifiers (TIA), laser chips (such as VCSEL), and control and digital diagnostic chips (MCU/EEPROM). These components collectively determine the performance, power consumption, and reliability of the optical module. Multimode optical transceivers are widely used in short-distance, high-speed interconnections in data centers. The transmitter converts the electrical signal into an optical signal, which is transmitted through optical fiber, and then the receiver converts the optical signal into an electrical signal. This. The optical module, known as Optical Transceiver in English, is a general term for various module categories, including optical receiver modules, optical transmitter modules, optical transceiver modules, and optical forwarding modules. An. Juniper Networks® has platforms ranging from the Juniper Networks CTP Series Circuit to Packet Platforms, BX Series Multi-Access Gateways, E Series Broadband Services Routers, M Series Multiservice Edge Routers, MX Series 3D Universal Edge Routers, to the T Series Core Routers.



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At the transmitting end, the driver chip processes the original electrical signal and then drives the semiconductor laser diode (LD) or light-emitting diode (LED) to emit a modulated optical signal.

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