ZTP Thermal & Power

Structure and Principle of 40G Optical Module

Overview

QSFP is the abbreviation of Quad (4-channel) small form-factor pluggable transceiver, which is widely used in 40G Ethernet data transmission, it is a compact, hot-swappable transceiver. The internal transmission channel structure of QSFP+ is composed of 4 independent channels. It is undeniable that 40 Gbit/s optical modules, such as 40G QSFP+ SR4, LR4, PSM4, ER4, etc. will play an important role in high-speed and high-capacity data transmission and have huge market prospects. QSFP+ modules provide an alternative by allowing a compact, high-performance 40G link that is easier to integrate and provides a higher level of operational simplicity. They are typically deployed in metro networks, inter-campus backbones, and data center interconnect (DCI) scenarios that require up to 80km.

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This article will introduce the working principle of the 40GBASE-SR module. The 40GBASE-SR4 module is generally used for short-distance optical

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This article will introduce the 40GBASE-SR4 optical module, this module is designed for 40G Ethernet short range, this article will introduce this module in detail and describe how it works for you.

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6 Common 40G QSFP+ Optical Module Models

6, 40G ER4 QSFP + optical module: the center wavelength of 1271nm, 1291nm, 1311nm, 1331nm, duplex LC interface, single mode, support for DDM, the operating temperature of 0 ° C ~ 70

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What QSFP+ Modules Bring to 40G Network

QSFP+ modules, such as the QSFP 40G SR4, use parallel optics, meaning that four separate 10G signals are running simultaneously over four

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