

Low-power optical module 40G



Summary of Content

Low-power 40G QSFP+ optical modules are installed in QSFP+ ports, connected to compatible fiber, and controlled via standard 2-wire serial interfaces for monitoring and low-power operation.

Installation and Handling

- **Port Insertion:** Insert the QSFP+ module into a QSFP+ port on the host device, ensuring proper alignment of the 38-pin edge connector. The module is hot-pluggable, so it can be inserted or removed while the system is powered on .
- **Fiber Connection:** Connect the optical fiber using LC (for LR4) or MPO/MTP (for SR4) connectors. Ensure the fiber ribbon is not twisted and guide pins are properly aligned to maintain channel integrity .
- **Environmental Precautions:** Avoid touching the optical interfaces and handle the module by its edges. Operate within the specified temperature and humidity ranges to prevent damage .

Power and Control

- **Power Supply:** The module operates on a single +3.3V supply. Ensure the host provides stable voltage within the specified tolerance .
- **Low-Power Mode:** Use the LVCMOS/LVTTL control signals to enable low-power mode. This can shut down unused channels to reduce power consumption .
- **Digital Diagnostics:** The module supports a 2-wire I2C interface for monitoring temperature, voltage, optical power, and other parameters. The ModSel pin must be held low to enable communication; when high, the module ignores I2C commands .

Article Content

40G QSFP+ SR4 LR4 ER4 ZR4 Optical Transceiver for High-Speed

The 40G QSFP Optical Transceiver is a high-performance 40Gbps pluggable optical module designed for enterprise networks, data

Cisco QSFP-40G-LR4 Compatible 40GBASE-LR4 and OTU3 QSFP

FS for Cisco QSFP-40G-LR4 compatible QSFP+ optical transceiver provides 40GBASE-LR4 links up to 10km over singlemode fiber

40G Optical Transceivers and Cables Portfolio | FS

It includes 40GBASE QSFP+ modules, 40G Converter modules, 40G DACs/AOCs and their breakout cables. Featured products

40G QSFP+ 10~40km transceiver

The QSFP+ module is designed for use in 40GBASE Ethernet throughput up to 10km, 30km or 40km over single mode fiber (SMF)

Bynet 40G QSFP+ Optical Transceivers

Bynet 40G QSFP+ transceivers support SR4/LR4/CWDM4 options for data centers & enterprise networks. Features low power

Cisco QSFP-40G-LR4 Compatible 40GBASE-LR4 and

FS for Cisco QSFP-40G-LR4 compatible QSFP+ optical transceiver provides

40G Optical Transceivers and Cables Portfolio | FS

The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity

Cisco 40GBASE QSFP Modules Data Sheet

This module can be used for native 40G optical links over 12-fiber ribbon cables with MPO/MTP connectors or in

40G QSFP+

The 40G QSFP+ optical module is a high-performance, low-power optical fiber communication device that supports data transfer

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for

Contact Us

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