

40GSFP Optical Module Test Report



AI Overview

40G QSFP optical modules have been tested for performance, switch compatibility, and diagnostic monitoring, confirming reliable 40G Ethernet transmission over both single-mode and multimode fibers.

Juniper QSFP-40G-LX4 Test Summary

The Juniper QSFP-40G-LX4 module supports 40G Ethernet transmission up to 2 km over OS1 single-mode fiber (SMF), 100 m over OM3 multimode fiber, and 150 m over OM4 multimode fiber. Testing on a Juniper QFX5200-32C switch confirmed normal link establishment, proper port indicator illumination, and accurate module identification including type, part number, and serial number. Digital Optical Monitoring (DOM) parameters were within normal thresholds with no alarms, and the module operated in LAN-PHY mode at 40 Gbps with standard MTU 1514 settings. Loopback, source filtering, and flow control were disabled during testing, and the logical interface remained up and stable (et-0/0/0.0).

H3C QSFP-40G-LR4L-WDM1300 Test Summary

The H3C QSFP-40G-LR4L-WDM1300 module supports 2 km transmission over G.652 single-mode fiber at 40G. When installed in an H3C S6820-56HF L3 switch, the module established a stable link with steady port indicators. The switch correctly read all module information, including vendor name, part number, serial number, transmission rate, and distance. DOM readings were normal, with all values within thresholds and no alarms. The module uses LC connectors and operates at a wavelength of 1300 nm.

Cisco QSFP-LR4-40G Test Summary

Cisco 40GBASE QSFP modules, including the LR4 variant, were tested for link connectivity, port status, alarm monitoring, and DDM information. The test procedure involved connecting the module to the switch port, verifying TX-RX fiber connections, and using console software to read module diagnostics. The modules met performance requirements, with stable 40G connectivity and accurate DDM readings. Test reports emphasize proper switch configuration and monitoring to ensure reliable operation.

Key Obser...

Article Content

Cisco 40GBASE QSFP Modules Data Sheet

The Cisco QSFP 40-Gbps BiDi monitor is a pluggable optical module for use with link monitor hardware, such as the Cisco Nexus® Data Broker. Like the QSFP BiDi transceiver, it has a duplex MMF LC

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QSFP-DD Module Testing

QSFP-DD optical modules are the mainstream form factor for 400G client interfaces. This white paper shares the key factors in successful test, troubleshooting and validation of QSFP-DD modules for

40G QSFP+

Through the picture on the right, you can see some of the 40g QSFP+ Modules testing equipment in our factory. In order to make the performance of each 40g QSFP+ Transceivers you buy is more stable

How to Test an SFP Transceiver and Network Cable

Recently we have been getting questions about how to determine if an SFP (Small Form-factor Pluggable) transceiver is working. We refer to SFP generically here to represent a multitude of the

Juniper QSFP-40G-LX4 Optical Module Sample Test Report

Juniper's QSFP-40G-LX4 optical transceiver supports 40G Ethernet transmission up to 2 km over OS1 single-mode fiber (SMF), 100 m over OM3 multimode fiber (MMF), and 150 m over

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100 Gigabit Ethernet

A networking device may support different PHY types by means of pluggable modules. Optical modules are not standardized by any official standards body but are in multi-source agreements (MSAs). One

QSFP-SR4-40G Test Report (Cisco) FS

Confirm the brand, quantity and placement of the switches to be tested. Prepare control cables, test software and optical fiber patch cords. Power on the switches in advance.

Networking Solutions for the Era of AI | NVIDIA

Networking Purpose-Built for the Era of AI Factories AI factories now span tens of thousands of GPUs—and soon, millions—operating as a single distributed computing engine. To keep

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

Juniper QSFP-40G-LX4 Optical Module Sample Test Report

The Juniper QSFP-40G-LX4 is a 40G Ethernet optical transceiver with a commercial operating temperature range of 0°C to 70°C. Official key specifications and physical appearance are

OpticalTransceiver TestReport

Test Purpose In this report, we have conducted a comprehensive and professional evaluation of the SFP+-LR-10G optical transceiver. Our testing confirms the module delivers high-performance

Finisar QSFP Optical Transceiver | Teardown Report | Lumenci

FTL410QE4C QSFP+ optical transceivers are designed for use in 40 Gigabit per second links over multimode fiber. They are compliant with the QSFP+ MSA and IEEE 802.3ba 40GBASE-SR4 and

Test Report For Modulatek QSFP-40G-SR4-C-G11 Optical Module

Modulatek has launched the QSFP-40G-SR4-C-G11 multimode optical module for 40G Ethernet applications. Modulatek Laboratory conducted sample testing on this model, allowing users

Optical Transceiver Manufacturer | 1G-800G Optics

We customize optical module parameters for customers based on the design plan and optimize key indicators such as optical power and receiving sensitivity. Each

How to Test Optical Transceiver Modules: Methods, Metrics & Best ...

Learn how to test optical transceiver modules using power meters, BERT testers, and DDM tools. Ensure compatibility, performance, and reliability in data center and enterprise networks.

SFP+-10G-LR Test Report

I. Test Purpose In this report, we have conducted a comprehensive and professional evaluation of the SFP+-LR-10G optical transceiver. Our testing confirms the module delivers high-performance

6C-QSFP+-ER4-40G Transceiver Test Report-6COMGIGA

In this report, we have conducted a comprehensive and professional evaluation of the QSFP+-ER4-40G optical transceiver. Our testing confirms the module delivers high-performance transmission with

Contact Us

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