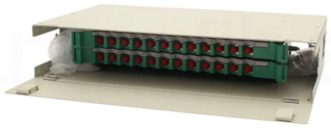
40G Optical Module Test Report



Article Overview

40G QSFP optical modules, such as Moduletek QSFP-40G-SR4-C-G11 and H3C QSFP-40G-LR4L-WDM1300, have been tested to confirm full 40G Ethernet performance, switch compatibility, and reliable DOM monitoring.

Module Performance Overview

Moduletek QSFP-40G-SR4-C-G11 supports 40G transmission over multimode fiber (OM3, 50/125 µm) up to 100 meters. When tested on a Cisco N3K-C3064PQ-10GE switch, the module established a normal link, with port indicators active and module identification (type, serial number, bitrate) correctly displayed. DOM data was fully readable, confirming operational stability and compliance with expected thresholds .

H3C QSFP-40G-LR4L-WDM1300 supports 40G Ethernet over single-mode fiber (G.652) up to 2 km. Sample testing on an H3C S6820-56HF L3 switch showed normal link establishment, accurate module recognition, and DOM readings within thresholds, with no alarms reported .

Cisco QSFP-40G-SR4-S modules are aligned with IEEE 40GBASE-SR4 specifications, supporting high-bandwidth 40G optical links over 12-fiber parallel multimode fiber terminated with MPO/MTP connectors. Link lengths of 100–150 meters are supported depending on fiber type (OM3, OM4/OM5), and modules are certified for interoperability with Cisco QSFP 40G ports .

Test Procedures

Testing typically involves:

• Module insertion into the corresponding switch port and connection to optical fiber patch cords or MTP self-loop devices.

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Article Content

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

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

40GBASE-SR4 QSFP+ 850nm 150m Transceiver Datasheet | FS

Test Assured Program FS truly understands the value of compatibility and interoperability to each optics. Every module

FS 40G QSFP-SR4 Optical Transceiver Module Performance Test

This video demonstrates the comprehensive performance testing of the FS 40G QSFP-SR4 optical transceiver module. It covers

Meta 400G FR4 Optical Transceiver Specification for OCP_Rev0.1

2.2 Overview The 400G-FR4 OCP optical specification is based on IEEE 400GBASE-FR4 specification as defined in IEEE 802.3 cu.

QSFP+ 40G LR4 Explained: Your Ultimate Guide to 40G Long-Reach Optics

This guide will demystify the 40G LR4 QSFP+, exploring its technology, advantages, and how to select the best one

40G Optics

Ensure the reliability of your network with Juniper''s full suite of system and module-level power, thermal, and DVT testing, software

OpticalTransceiver TestReport

Test Purpose -LR4-40G optical transceiver. Our testing confirms the module delivers high-performance transmis ion II.

H3C QSFP-40G-LR4L-WDM1300 Optical Module Sample Test Report

H3C provides the QSFP-40G-LR4L-WDM1300 optical module, which supports 40G Ethernet transmission up to 2 km

Test Specification for 800 Gbit/s PAM4 Optical Module at 100 Gbit/s

The specification is designed for 800 Gbit/s PAM4 optical modules operating at 100 Gbit/s per lane, detailing test procedures for

Evaluating 40G Optical Transceiver Quality: A Buyer''s Guide

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This guide helps you evaluate technical standards and testing protocols for 40G modules. I will analyze the specific

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

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

40G Optical Transceivers and Cables Portfolio | FS

40GBASE Optical Transceivers and Cables Portfolio Product Overview The 40G transceiver module portfolio offers customers a

Huawei QSFP-40G-CU1M Optical Transceiver and Test Report

We will test each batch of optical modules and truthfully inform customers the test result if optical module has Alarm or No Alarm on

In-Depth Guide to 40G QSFP+ Optical Modules, DAC, AOC

40G optical modules are increasingly widely used in data centers. 40G optical modules can reach up to 40Gbps to help data centers

Unveiling the Cisco QSFP-40G-SR4-S: A Comprehensive Guide to

Explore the Cisco QSFP-40G-SR4-S, a powerful optical transceiver module that delivers 40GBASE-SR4 connectivity

How does one test the output power of 40G / 100G optical transceiver ...

The High-Speed Optical Transceiver Power Meter (HOT Pet) is designed for 40 Gbps ~ 100 G optical networking

10G to 40G / 100G MPO Optical Link Testing Technology

Therefore, the MPO pre-attached optical cable based on OM3 / OM4 will be the first choice for 40G / 100G links. The

Test Report For Moduletek QSFP-40G-SR4-C-G11

Moduletek has launched the QSFP-40G-SR4-C-G11 multimode optical module for 40G

New Perspectives in Test: 400G and the New Test Revolution

This paper describes the new challenges that arise with 400G optics and how they call for a new perspective on test and validation.

40G Optical Transceivers and Cables Portfolio | FS

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

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

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How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and

40Gb/s QSFP+ Transceiver

40Gb/s QSFP+ Transceiver DESIGNED FOR USE IN 40 GIGABIT ETHERNET APPLICATIONS. COMPLIANT WITH THE QSFP

QSFP-LR4-40G Test Report (Arista) FS

2Enterthetestinterface,inputtheaccountandpassword,logintotheswitchandenterprivilegedmode. 3 According to the switch command

Cisco 40GBASE QSFP Modules Data Sheet

Cisco QSFP-40G-SR4 The Cisco 40GBASE-SR4 QSFP Modules support link lengths of 100 meters and 150 meters, respectively, on

How did 400G QSFP-DD Transceiver Module been Tested?

The 400G QSFP-DD transceiver module is the mainstream package specification for 400G customer interfaces. The

Contact Us

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