

# 800G Access Switch Test Report



## Overview

H3C conducted a large-scale, high-density test of 64 ports of 800G Ethernet across its S9827 800G CPO silicon photonic switch. This recent test leveraged the industry's first high-density 800G OSFP and QSFP-DD test platform, the Spirent TestCenter 800G B2. Configure the switch to adopt port splitting mode (such as 800G to 800G ETH, 800G to 2\*400G ETH). Take screenshots to record the output results of the tool. To address this challenge, data center networks must accelerate from traditional 400G architectures toward 800G and eventually 1.8T. 800G Ethernet represents not only a doubling of bandwidth, but a comprehensive redesign of network topology, congestion control mechanisms, and physical-layer signal. Conformance Testing of 800G Ethernet Links for the Data Center Introduction With ever increasing bandwidth needs for video conferencing, streaming, digital entertainment, 5G, autonomous vehicles, trading, IoT etc. The H3C S9827 series is a new H3C UniServer R6900 G6 server, running a full load of 777 high-load virtual machines, achieved a performance score of 13,880 points, setting a new record. H3C's sub-brand Aolynk, designed specifically for SMB (small and medium-sized business) in global markets.



## Article Content

Nov 04, 2025

Conformance Testing of 800G Ethernet Links for the

This application note will cover the changes in requirements between 400G and 800G electrical interfaces and how Keysight Technologies Transmitter and

Sep 16, 2025

H3C tests its 64X800G data center CPO switch

H3C conducted a large-scale, high-density test of 64 ports of 800G Ethernet across its S9827 800G CPO silicon photonic switch. This recent test

Mar 29, 2026

800G SR8 and 400G SR4 Compatibility Test Report

Test Conclusions FiberMall 800G OSFP SR8/400G Q112 SR4/400G OSFP SR4 modules meet the requirements for interface compatibility with Nvidia

Oct 18, 2025

800G Test Solutions | 2020-12-10 | Signal Integrity Journal

Keysight Technologies, Inc., has launched 800G test solutions for validating electrical and optical interfaces to speed development of next generation data center technologies, including

Nov 23, 2025

Keysight Launches New 800G Test Solutions to Speed Development

Keysight's new portfolio of electrical and optical analysis solutions enable an 800G ecosystem, consisting of optical components, chipset, switch and semiconductor integrated circuit

Dec 23, 2025

QDD-SR8-800G Test Report | FS

Test the optical output signal using an optical oscilloscope, a CDR and other equipment. Record the actual transmission power, central wavelength and maximum -3dB spectral width of each channel.

Apr 24, 2026

H3C Collaborates with Spirent in the Successful Completion of an ...

The test results demonstrate that H3C's 800G CPO silicon photonic switch series, H3C S9827, has excellent reliability and stability in key performance indicators such as overall switch

Oct 24, 2025

OSFP-800G-PCxxx Test Report | FS

1. List of Test Items ... 2. Product Photoelectric Testing 2.1 Traffic Transmission Test  
2.1.1 Test Introduction

Jan 01, 2026

H3C Collaborates with Spirent in the Successful

The test results demonstrate that H3C's 800G CPO silicon photonic switch series, H3C S9827, has excellent reliability and stability in key

May 30, 2026

OSFP-DR8L-800G Test Report | FS

NOTE: Lane 0, 1, 2, 3, 4, 5, 6, 7 represent each channel of the module

Dec 03, 2025

In-Depth Analysis Report on 800G Switches | FiberMall

This report will deeply analyze the technical standards, core silicon photonics landscape, system vendors' solutions, and revolutionary changes in

May 28, 2026

800G Switch Market Outlook and Strategic Insights

This report provides a comprehensive analysis of the 800G switch market, offering invaluable insights for stakeholders across the value chain. It covers market size and forecast,

Jun 12, 2026

800G Ethernet Testing

Test Layer 1, Layer 2, and Layer 3 for routing/ switching and data center applications. Reduce cost of ownership compared to solutions that specialize on

Apr 23, 2026

800G Ethernet Switch Market Research Report 2033

As enterprises prioritize sustainability and operational efficiency, the adoption of 800G Ethernet switches is expected to accelerate, driving significant market growth over the forecast period.

Jul 01, 2025

### Global 800G Switch Supply, Demand and Key Producers, 2024-2030

This report explores demand trends and competition, as well as details the characteristics of 800G Switch that contribute to its increasing demand across many markets.

Sep 27, 2025

### 800G / 1.6T Data Center Transceiver Test | Keysight

This white paper delves into AI data center trends, addressing how hyperscale data center architects and operators must scale networks from 400G to 800G / 1.6

Feb 25, 2026

### The Technical Solutions of FS 800G Transceivers

The FS 800G SR8 module provides high-speed connectivity for data center architectures, enabling them to cope with the ever-increasing demands of

Mar 18, 2026

### H3C Collaborates with Spirent in the Successful Completion of an ...

Recently, H3C, in collaboration with Spirent Communications, the industry leader in Ethernet test and measurement, completed the industry's first ever large-scale 800GE test with a high density of up to

Dec 25, 2025

### H3C Collaborates with Spirent in the Successful

Recently, H3C, in collaboration with Spirent Communications, the industry leader in Ethernet test and measurement, completed the industry's first

Apr 21, 2026

### OSFP-DR8-800G Test Report | FS

Use test equipment to verify the running information, port module information, and information such as port count/ bit error rate. Take screenshots to record the output results of the tool.

Dec 25, 2025

### QDD-2LR4-800G Test Report | FS

NOTE: Lane 0, 1, 2, 3, 4, 5, 6, 7 represent each channel of the module

## Contact Us

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