ZITHA TECH SPECIALTY CABLES (Pty) Ltd

800G Aggregation 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. 800G Ethernet represents not only a doubling of bandwidth, but a comprehensive redesign of network topology, congestion control mechanisms, and physical-layer signal. Cisco N9364E-SG2 switches are 64-port 800G fixed switches. Artificial-Intelligence and Machine-Learning (AI/ML) applications are being used increasingly in today's data centers, and Cisco N9000 Series Switches have the hardware and software capabilities to provide the right latency. Insert the optical module into the switchnetwork card port. Verify the connection status, alarm information, type information and DDM information. Ensure compatibility with the device software version. Business Network Testing 800G to 4*200G IB&ETH). The. Currently, various ICT manufacturers are actively transitioning to 800G Ethernet around high-performance computing and AIGC products. 2T switching capacity, supports 64 800G ports, and integrates CPO silicon. To evaluate real-world AI inference performance, we deployed the DeepSeek large language model on an H20 high-performance server cluster—featuring dual nodes and eight GPUs per node—interconnected via both the Asterfusion ultra-low latency AI switch CX864E-N and a traditional switch.



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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.

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

IPEC is open to any interested party who wishes to join. All members have the opportunity to participate in developing all IPEC standards and reports on a non-discriminatory basis. The process of

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

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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