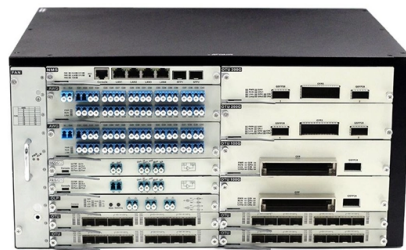


Vietnam installs high-speed photoelectric connection QSFP28



AI Overview

Vietnam is deploying QSFP28 optical transceivers to enable 100G high-speed Ethernet connections, enhancing data center, enterprise, and telecom network performance.

What is QSFP28?

QSFP28 stands for Quad Small Form-Factor Pluggable 28, a compact, hot-swappable optical transceiver designed for 100 Gigabit Ethernet (100GbE) networks. It aggregates four parallel 25 Gbps electrical lanes, achieving a total throughput of 100 Gbps, with a physical signaling ceiling of 28 Gbaud per lane to allow encoding overhead and error correction. QSFP28 modules are backward-compatible with QSFP+ form factors, enabling higher bandwidth density without redesigning existing network hardware.

Technical Features

- **Electrical Interface:** Uses CAUI-4 (100 Gigabit Attachment Unit Interface 4-lane) for communication between the host ASIC and the module.
- **Optical Variants:** Includes SR4 (short-range multimode), LR4 (long-range single-mode), CWDM4, ER4, and ZR4, supporting distances from 70 meters to 10 km or more depending on fiber type.
- **Connectors:** Typically uses MPO/MTP multifiber connectors for parallel fiber or duplex LC connectors for long-range single-mode applications

Article Content

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The QSFP28 fiber optic solution offers the best of both worlds allows: the user can get the full benefits of QSFP28 transceivers and cables in the datacom equipment, also take the advantages of high-speed

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zQSFP+ (QSFP28/56) Interconnects

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