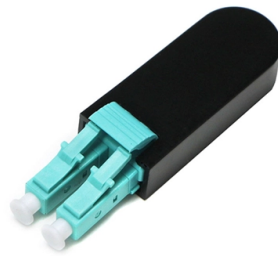


Export-grade air-cooled switch LPO



Overview

LPO modules reduce per-pluggable power from ~30W with DSP-based optics to ~10W, enabling up to 50% system-level savings. Early tests show good receiver performance even under degraded conditions, though transmit paths remain sensitive to reflections and crosstalk at the connector. For the next-generation CX7 intelligent network interface card (NIC), the network access switch needs to support PAM4-112G serializer-deserializer (SerDes). For successful iteration. XPO represents a new class of optical pluggable module designed specifically for next-generation AI data center fabrics. 8Tbps of bandwidth using 64 electrical lanes and incorporates an integrated liquid-cooled cold plate capable of supporting 400W+ module power. Full technical deep-dive into Cisco's most advanced switching silicon — announced at Cisco Live EMEA 2026, Amsterdam Cisco Silicon One G300 — 102. Announced February 10, 2026 at Cisco Live EMEA, Amsterdam. At Arista's recent Analyst Day event, co-founder Andreas Bechtolsheim said the company is developing 100% liquid-cooled switches and racks. Amphenol Aerospace's extensive line of high-speed, ruggedized ethernet switches is built to guarantee mission-critical connections between computer systems and other devices and ensure that sensitive information remains safe and essential networks remain online, even when operating in the harshest.

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Contact Us

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