Next-Gen Automated Fiber Switching for Data Centers

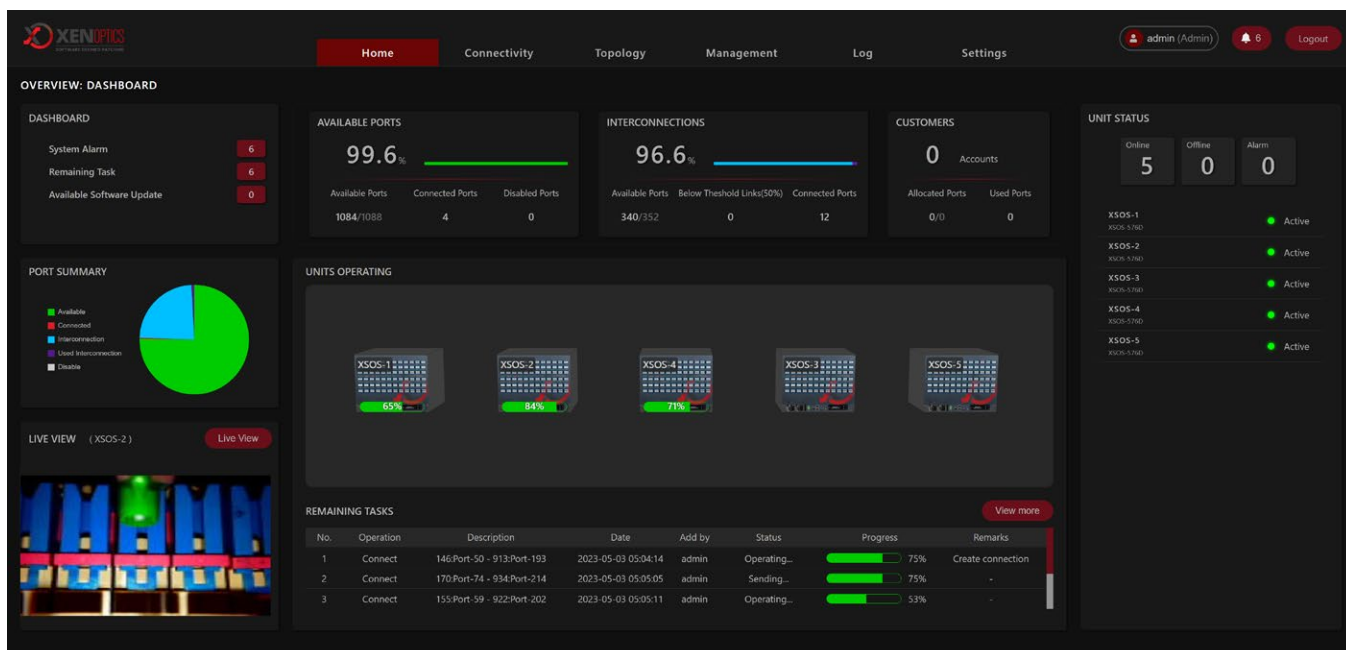## MAXIMIZE UPTIME, REDUCE COSTS, AND BOOST NETWORK EFFICIENCY

Data centers power the digital world, supporting enterprises, cloud providers, and service-based industries. As network demands grow, operators must optimize fiber switching, reduce manual intervention, and ensure seamless connectivity—all while maintaining uptime and controlling costs. XSOS by XENOptics delivers an automated, scalable, and efficient fiber switching solution designed for modern data center operators.

THE XSOS ADVANTAGE FOR DATA CENTERS

XSOS streamlines network management by replacing manual fiber switching with automated, real-time configurations, improving agility and performance. Whether handling multi-floor setups, hybrid networks, or high-traffic workloads, XSOS ensures instant adaptability without human intervention.

Key Features & Benefits:

- **Hybrid Automated & Manual Connectivity:** 75% automated fiber switching, ensuring dynamic adaptability, while 25% static links provide stability for critical infrastructure.
- **Sub-Minute Network Reconfiguration:** Instantly adapt to fluctuating workloads without manual re-cabling.
- **Seamless API & NMS Integration:** Centralized control for network visualization, monitoring, and automated testing.
- **Optimized Resource Allocation:** Ensure efficient bandwidth distribution for virtual machines and cloud workloads.
- **Polarity Correction & Path Optimization:** Prevents connectivity errors and ensures correct fiber alignment for every configuration.

▲XENOptics Network Management System (NMS) Dashboard

XSOS IN ACTION: ENHANCING MULTI-FLOOR DATA CENTERS

In a multi-floor data center, XSOS enables seamless switching between virtual machines, storage, and network backbones, optimizing resource allocation and minimizing latency. Instead of relying on manual network adjustments, operators use XSOS's automated scheduling to preconfigure test scenarios, simulate workloads, and rapidly scale connections as traffic demands shift.

WHY DATA CENTERS CHOOSE XSOS:

- **Enhanced Network Flexibility:** Custom topologies adapt to real-time demands.
- **Reduced Operational Costs:** Less manual intervention means lower labor expenses.
- **Scalability:** Ideal for growing data center infrastructures.
- **Higher Efficiency:** Minimizes downtime with automated, scheduled reconfigurations.
- **Management:** End-to-end web based network management.

EMPOWER YOUR DATA CENTER WITH CUTTING-EDGE FIBER SWITCHING

Keep your data center agile, efficient, and future-ready with XSOS's advanced fiber switching technology. Reduce complexity, improve uptime, and unlock the full potential of automated connectivity.

Connect with us: www.xenoptics.com | info@xenoptics.com
Thailand
195 M3 Bypass Chiangmai-Hangdong
T. Namphrae, A. Hangdong, Chiang Mai, 50230
(+66) 052 081 400

Learn More