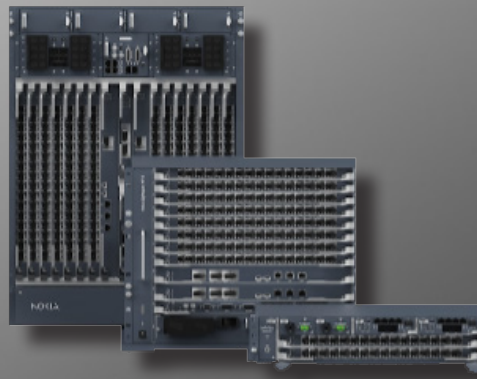




Lightspan MF

Modular Fiber OLT for
Scalable Broadband Access



PON Technology Support

The Nokia Lightspan MF is a modular, high-capacity fiber Optical Line Terminal (OLT) designed for central office and large aggregation deployments. It supports multiple PON technologies on a single platform, enabling broadband providers to scale fiber networks efficiently while protecting long-term investments. Operators can deploy GPON and XGS-PON simultaneously, allowing for gradual migration to higher-speed services without network disruption.

Scalability and Performance

Designed for high-growth fiber environments with high port density for large subscriber deployments. Lightspan MF delivers multi-terabit switching capacity and supports scalable expansion through modular line cards. This approach reduces upfront capital expense while enabling long-term capacity planning.

Network Operations and Management

Lightspan MF integrates with Nokia's access management ecosystem, including automation and orchestration tools, enabling centralized provisioning, monitoring, and lifecycle management. Open APIs support integration with existing operational systems and open interfaces for OSS/BSS integration to streamline workflows and reduce manual intervention.

Reliability and Availability

Built to carrier-grade standards, Lightspan MF includes redundant power supplies and control components to support high availability in mission-critical network environments.

Ideal Deployment Scenarios

- Central office fiber access deployments
- Large-scale FTTH networks
- Broadband providers transitioning from GPON to XGS-PON
- Electric co-ops, municipalities, and regional ISPs

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