

Cost-Effective and Scalable Fiber Access Deployment

COMMScope®



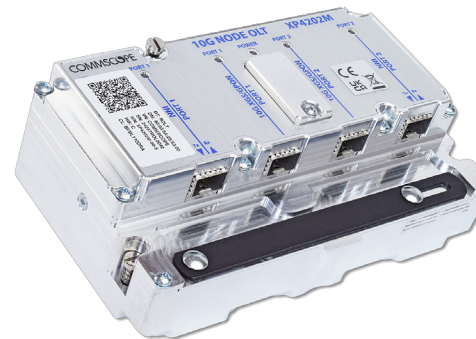
Remote Optical Line Terminals (R-OLTs) provide a powerful solution for deploying high-performance fiber via GPON, XGS-PON and EPON fiber access in outdoor environments. CommScope R-OLT modules are optimized to reduce both deployment time and costs while providing high-bandwidth fiber services.

Flexibility and Scalability with CommScope's 200 Series GPON/ XGS-PON Module

CommScope's PON Evo 200 Series is a 2-PON Port Remote OLT that provides GPON and in the same module. It integrates seamlessly with cable nodes and virtual hubs, coexisting with HFC, R-PHY, and DAA modules. Designed for scalability, the PON Evo 200 R-OLT supports up to 256 subscribers, making it suitable for both small-scale and larger deployments.

Key Features

- **Optimized for Outdoor Deployment:** Designed for harsh outdoor environments. Ideal for remote and urban settings.
- **Compatibility with Existing Infrastructure:** Coexists with existing HFC, R-PHY, and DAA modules, providing easy migration to fiber services.
- **High Bandwidth:** With support for both GPON and XGS-PON technologies, the R-OLTs provide ultra-high bandwidth capabilities.
- **Traffic Management and Scalability:** Built-in traffic management, optimizing network performance. Scales up to 256 subscribers.
- **Supports PON/MAC Plant Footprints:** The R-OLTs are compatible with existing PON and MAC infrastructure.
- **Low Power Consumption:** Allows for multiple modules in a single virtual hub.



Benefits of XGS-PON/GPON for Service Providers:

- **Cost Savings:** Extend fiber access to the last mile without new infrastructure, reduces deployment costs.
- **Faster Deployment:** R-OLTs deploy in the field faster enabling operators to deliver high-speed broadband.
- **Future-Proof:** R-OLTs can be quickly deployed in the field, enabling operators to deliver fiber broadband service faster to targeted areas.

Unlock the Power 10G EPON with CommScope's EPON Module

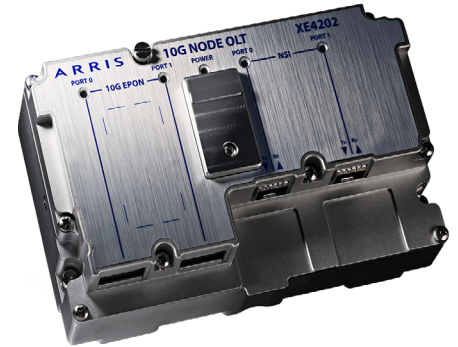
CommScope's 10G EPON Remote OLT, the XE4202M, empowers operators to migrate from existing DOCSIS HFC networks to high-performance fiber services without abandoning current back-office systems. It uses the ARRIS OLT Manager for provisioning and management operations and supports DPOE OAM messaging to configure R-OLTs and ONUs, so it is compatible with DOCSIS back-office OSS systems. This provides a cost-effective solution to migrate to fiber service while leveraging your current DOCSIS provisioning infrastructure.

The XE4202M is specifically designed to address the evolving needs of network operators, providing deep reach for 10G EPON services beyond traditional PON distances. This enables operators to deploy fiber close to subscribers, significantly lowering costs and improving service delivery while avoiding the need for extensive network overhauls.

With seamless integration, advanced features, and cost-saving capabilities, it's the perfect choice for future-proofing your broadband services.

Key Features

- **Extended Reach and Scalability:** Supports 10G EPON services, pushing fiber access beyond the traditional 20 km PON range.
- **Seamless Integration with DOCSIS Systems:** Operators can continue using their DOCSIS back-office OSS systems.
- **Flexible Subscriber Access:** Offers a variety of configurations, including symmetric 10G/10G, 1G/1G, and asymmetric 10G/1G speeds.
- **Advanced Traffic Management:** Incorporates full traffic management and PON MAC/PHY capabilities, ensuring optimal network performance.
- **Cost-Efficient Fiber Deployment:** Connects to the operator's Converged Interconnect Network (CIN), delivering high-bandwidth services without the need for costly infrastructure changes.



Benefits for DOCSIS Providers

- **Cost-Effective Migration:** Operators can migrate to fiber without overhauling their network or provisioning architecture.
- **Video Support:** Provides seamless integration and coexistence with RF video and RFoG networks.
- **Optimize Existing Infrastructure:** Extends 10G EPON capability through legacy HFC nodes and RFoG VHubs all the way to the subscriber, reducing space and power requirements.
- **High ROI and Service Flexibility:** Allows for selective expansion of fiber service to underserved areas and key customers, boosting your return on investment.



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