Why build a new PON network the old way?

There are two approaches to building a PON network. The first is to use legacy, hardware-defined technology that’s rigid and proprietary. The second is to leverage the latest software-defined architectures and cloud technologies to create an open PON network that’s feature-rich, operationally efficient, and ready for what’s next.

The time for next-gen PON is now

Mature technologies are driving next-gen PON forward

Why go next-gen?

Why not?

Open systems, service provider flexibility, and network control

Automated hands-free provisioning

Multiple deployment models from on-premises to hosted and hybrid

Rapid introduction of new features and services through modern, containerized microservices

Predictive issue detection to prevent network downtime and outages

Legacy, hardware-based PON system

Proprietary solutions, with hardware and vendor lock-in

Slow, labor-intensive turn-ups via truck roll

Rigid networks built on legacy hardware limitations

Features and services highly dependent on hardware release schedules

Truck rolls needed to find and resolve plant issues

Next-gen, software-defined architectures

Data creation is rising fast

Fiber deployment is increasing

Standards are mature and collaborative

Broadband funding is flowing

Software-defined networking (SDN)

Cloud-native architectures

AI and machine learning

Containerization and microservices

Why go next-gen?

Why not?

CommScope’s experts are here to help transform your network and deploy next-gen PON seamlessly and cost effectively.