

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

- ✓ Data creation is rising fast
- ✓ Fiber deployment is increasing
- ✓ Standards are mature and collaborative
- ✓ Broadband funding is flowing

Mature technologies are driving next-gen PON forward



Software-defined networking (SDN)



Cloud-native architectures



AI and machine learning



Containerization and microservices

Why go next-gen?

Legacy, hardware-based PON system

VS.

Next-gen, software-defined architectures

Better platform choice

Proprietary solutions, with hardware and vendor lock-in

✓ **Open systems, service provider flexibility, and network control**

Simplified scalability

Slow, labor-intensive turn-ups via truck roll

✓ **Automated hands-free provisioning**

Flexible architectures

Rigid networks built on legacy hardware limitations

✓ **Multiple deployment models from on premises to hosted and hybrid**

Increased service velocity

Features and services highly dependent on hardware release schedules

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

Proactive service assurance

Truck rolls needed to find and resolve plant issues

✓ **Predictive issue detection to prevent network downtime and outages**

Why not?

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

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