

Lumen® Wavelength Services

Up to 400 Gbps. Point-to-point connectivity. Maximize digital infrastructure.

As businesses change, their networks should evolve in parallel to support the new and evolving computing demands—from mobility to Internet of Things (IOT) to cloud computing to network automation and newer computing requirements.

Next generation network architectures must be flexible and scalable to address not only today's requirements, but evolving dynamic environments—connecting employees to information, applications to each other, businesses to suppliers and data, and machines to machines.

IT organizations should propel business growth and innovation by delivering high performance applications globally and improving reliability, scalability, and efficiencies. With Lumen® Wavelength Solutions, you can design, build, and run powerful low-latency networking solutions that evolve alongside your business.

Common Use Cases

- Data Centers mirroring for business continuity and disaster recovery
- Large scale multi-national companies that need rapid access to vast amounts of data to make decisions
- Industries such as banking, media, oil & gas, healthcare, and pharma that adopt more effective and nimble data collection strategies

“Digital economy leaders need 100G and 400G wavelength connectivity to help bolster the performance of the underlying network supporting their digital platform journeys. Lumen’s portfolio of wavelength solutions continues to lead the industry in providing innovative, adaptive networks with the necessary global reach, route diversity, and low latency performance needed to enable the seamless distribution of applications, Edge to Core.”

— Ian Redpath

Practice Leader Transport Networks, Omdia

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Scalability

- Right-size and scale efficiency with Lumen’s full range of wavelength speeds, including 400 Gbps.

Application performance

- Deliver fast, high-availability services and applications leveraging low latency routes and competitive SLAs based on network redundancy with diverse gateways and route options.

Consultative design

- Smooth network optimizations, migrations and upgrades with custom routing and design transparency developed by Lumen Solutions Architecture.

Operational efficiency and reduced costs

- Resiliency to manage more bandwidth with fewer network elements utilizing a custom-designed network solution that’s more scalable, operational, and economical than legacy solutions.



Features and Specs

Lumen Wavelength Services

- Ethernet speeds: 10, 100, 400 Gbps
- OTU speeds: 2, 2e, 4
- Protected and unprotected solutions
- Available low-latency routes and latency SLAs
- Available custom routing and transparent network design, including private data networks
- Building extensions available for demarcation extension, inside wiring
- Provide bandwidth, transparency and control of your applications to enhance the customer experience
 - Topology Viewer
 - Proactive Notifications

Lumen Global Footprint

Connect your employees, partners and customers across the world:

- 6+ million miles of high capacity, ultra-low loss fiber in North America
- Approximately 150,000 on-net buildings
- Access to 125 Optical Cloud On Ramps and 2200 On-Net Data Centers
- 63,000+ next-gen 400G wave-enabled route miles



Why Lumen?

Lumen Wavelengths combines an industry leading network using low-latency routes, industry competitive SLAs, network redundancy and a wide range of dynamic bandwidth options for maximum efficiency. Wavelengths provide a highly configurable and secure network solution on which to run your critical applications.