

# SKYFIBER™

## Corporate Overview



**SKYFIBER™**  
Optical Wireless Broadband To Connect The World

With over 12 years of industry and design experience, SKYFIBER is an established leader in delivering Optical Wireless Broadband products that address the rapidly growing global requirements for fast, secure, and affordable high capacity wireless networking solutions. These solutions can economically augment or replace traditional fiber optic and microwave technologies to meet customer needs for wireless backhaul, enterprise and campus area networks, last-mile or next-mile connectivity, private data networks, emergency response networks, and a variety of revenue-generating opportunities for municipalities. SKYFIBER customers are global leaders and innovators across a broad range of industries, including defense contracting, manufacturing, education, healthcare, and telecommunications. These customers range from local governments to large telcos to SMB enterprises, but all of these customers face rapidly growing demands for a communications infrastructure that can support unprecedented volumes of video, voice and data traffic in a high quality, cost-effective manner.

### Patented Innovation

SKYFIBER holds over 18 granted and pending patents that significantly differentiate its products and services from all other competitors in the market, including the landmark patent awarded for the use of Optical Wireless Broadband (OWB) in a point-to-multipoint (PtMP) network environment. Unique patented design advancements enable SKYFIBER to deliver carrier-grade reliability in customer installations. All of these innovations combine to ensure the highest rates of OPEX and CAPEX savings available in the industry. SKYFIBER offers the lowest cost per megabyte of any solution on the market today.

### On-Demand Delivery

SKYFIBER leads the industry by offering the first On-Demand broadband licensing model, providing a lower cost of entry and faster time to market than traditional solutions such as fiber or microwave. With the On-Demand model, a monthly subscription fee provides bandwidth to meet the customer's current capacity needs, eliminates on-going equipment maintenance costs, and enables the customer to maintain total flexibility to increase capacity or take advantage of technological advances, as their needs evolve.

### Flexible Solutions

SKYFIBER™ technology has multiple applications in building point-to-point (PtP) and patented point-to-multipoint (PtMP) networks for private and public sector enterprises, or for service providers offering bundled services to network customers.

- **Wireless Backhaul:** Enabling mobile operators to reduce OPEX and CAPEX expenses, reduce churn and maintain margins
- **Public/Private Area Networks:** Securing and providing service in a dedicated network environment
- **Campus and Municipality Networks:** Providing affordable bandwidth expansion on a limited budget to corporate, academic or medical campus environments
- **Emergency Response Networks:** Enabling municipalities and other public services entities to restore service quickly in emergency and disaster recovery situations
- **Turbocharge Existing Networks:** Augmenting existing infrastructure to increase bandwidth capacity on either a permanent or an on-demand basis



## Product Portfolio Overview

SKYFIBER delivers its bandwidth via Optical Wireless Broadband technology, using exclusive patents to provide mesh solutions that employ Point to Multipoint (PtMP) architectures. Optical Wireless Broadband, or OWB, is a technology that uses infra-red light to transmit highly-secure optical wireless data, utilizing air as the transmission medium.

SKYFIBER's portfolio is comprised of three main products:

**1. SkyLINK:** This product delivers a secure, reliable point-to-point Optical Wireless Broadband link, sending up to 1.25Gbps of bandwidth over distances of up to 1.6 km per link. SkyLINK can also be deployed with a MW Radio backup, for applications where system redundancy is necessary to meet Business Continuity Plan requirements. This solution provides redundant bandwidth backup, without the cost of laying fiber or the risk of fiber being cut or damaged.

**2. SkyCAST:** SKYFIBER provides customers with multiple ways to maximize the value of their bandwidth, by providing Broadband Delivery Solutions. With SkyCAST, customers can deliver customized amounts of bandwidth to up to 24 different users. The SkyCAST 4p product allows distribution of bandwidth from 2 to 4 users, and the SkyCAST 24p provides distribution from 2 to 24 users with dynamic multicast capabilities.

**3. SkyMESH:** Delivers customized network solutions, designed to match a customer's unique coverage needs. SKYFIBER can engineer a mesh network comprised of SkyLINKs and hybrid solutions to deliver the optimal coverage profile for a specific customer's needs. SKYFIBER holds exclusive patents on Optical Wireless Broadband Point to Multi-Point (PtMP) architecture, allowing us to deliver the only viable mesh OWB solutions in the industry.

## Contact Us

For further information on SKYFIBER™ products and solutions, please contact [sales@skyfiber.com](mailto:sales@skyfiber.com) Or visit us on the web at [www.skyfiber.com](http://www.skyfiber.com).



### SKYFIBER's Competitive Advantage

SKYFIBER's Optical Wireless Broadband Solutions allow our customers to deliver high speed Broadband Access at a fraction of the cost of traditional Fiber Optic or Microwave RF solutions.

- Exclusive patent for mesh (P2MP) Optical Wireless Broadband Networking
- Fully deployed in a fraction of the time and at up to 1/10th the cost of fiber or microwave
- Patented technology and implementation methodology delivering 99.999% availability
- Upgradable and Scalable, grows and changes to meet changing needs
- Zero RF footprint ensuring the most secure network transmission available
- No FCC licensing requirements
- EMI and RF Interference-free
- No sensitive electronics exposed to harsh outdoor environments
- Small physical footprint, providing maximum flexibility and reducing the complexities of zoning, site access and lease costs
- Patented separation of antenna and electronics, requiring no rooftop power installation
- Up to 66% lower power consumption and elimination of microwave smog, delivering an eco-friendly "green" solution
- Tremendous installation density, enabling deployment of multiple devices in any given area without loss of security
- Significant reduction in installation, lease and maintenance costs associated with fiber access