SKYFIBER™

SOLUTIONS BRIEF

CORPORATE OVERVIEW

SKYFIBER™ delivers high-capacity low-cost Optical Wireless Broadband (OWB) communications products to address the rapidly growing broadband needs of both Carriers and Enterprises. Optical Wireless Broadband, or OWB, is a technology that uses infrared light to deliver over 1Gbps of broadband connectivity at a fraction of the cost of Microwave, Millimeter Wave, or In-Ground Fiber. SKYFIBER's OWB is ideal for Mobility Backhaul, Fiber Extension, channeling highly secure data for Medical Campuses, providing high bandwidth Surveillance Systems, facilitating Disaster Recovery / Homeland Security Applications at both Local and Federal Government levels and enabling a variety of revenue generating opportunities for Municipalities.

Founded in 1996, SKYFIBER is a privately held corporation of over 60 employees, headquartered in Bryan, Texas, with additional offices in Dallas, TX, Philadelphia, PA, San Jose, CA, and a partner network that spans the globe. With 14 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. 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 Multi-Point mesh network environment.

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 Solution

The low-cost high-capacity data pipe delivered by SKYFIBER's Optical Wireless Broadband technology can be used in a multitude of applications for both Carriers and Enterprises.

- **Wireless Backhaul & Network Overlay:** Reduces OPEX and CAPEX expenses through low-cost backhaul, working as a complementary technology in concert with existing Fiber, Cellular and Microwave networks to provide additional capacity at a low cost.
- **Fiber Extension:** Accelerates network growth, reaching new customers by creating last-mile links off existing Fiber Optic rings.
- **Healthcare & Campuses:** Provides rapid, affordable bandwidth expansion on a limited budget to medical, corporate or academic campus environments.
- **Municipalities & Local Government:** Enables Municipalities and other public services entities to connect their anchor institutions like hospitals, governmental buildings and emergency services.
- **Security & Surveillance:** Ensures extremely secure communication, with data transmitted via a virtually undetectable beam of light. SKYFIBER is especially useful for backhauling high-volume security surveillance footage.

SKYFIBER's Key Advantages

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

- **Cost:** SKYFIBER offers the lowest cost per gigabit in the industry, and with our On-Demand model there is zero up-front equipment investment needed.
- **Capacity:** SKYFIBER's Optical Wireless Broadband delivers speeds up to 1 Gbps with future upgrades to 2.5 Gbps & 10 Gbps.
- **Speed:** Deployment takes a matter of hours, not weeks or months. No frequency license is needed, no RF studies are needed, and there are minimal zoning or permit considerations.
- **Reliability:** High availability is ensured through proprietary diversity techniques, innovative patented mesh deployment and an optional radio backup ensures reliability.
- **Eco-Friendly:** Small, compact unit has a low carbon footprint, 65% lower power consumption than comparable technologies, zero RF pollution, and does not require environmentally invasive trenching.
- **Future Proofed:** Because SKYFIBER is upgradable, portable and reconfigurable, your network can grow as your needs change.

Product Portfolio Overview

SKYFIBER's Optical Wireless Broadband, or OWB is a technology that uses infrared light to transmit highly secure optical wireless data, utilizing air as the transmission medium. SKYFIBER's portfolio is comprised of four main products:

SkyLINK

SKYFIBER's flagship product delivers a secure, reliable point-to-point Optical Wireless Broadband link, providing 1 Gbps of bandwidth over distances of up to 1.6 km per link. Using our patented mesh network deployment, SkyLINKs can also be combined to cover larger areas.

SkyLINK-PLUS

For installations that experience extreme weather conditions such as frequent heavy fog, SKYFIBER also offers SkyLINK-Plus, a standard SkyLINK paired with an 802.11n radio backup link. In severe weather, the primary OWB link automatically switches to the 802.11n backup radio; ensuring connectivity is maintained. The SkyLINK-Plus product delivers 1 Gbps of bandwidth during normal operations, and up to 100Mbps during severe weather conditions.

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 multiple users.

SkyMESH

For unique coverage needs, SKYFIBER can develop a customized mesh network solution comprised of meshed SkyLINKs, providing the customer with an optimized coverage profile. SKYFIBER holds exclusive patents on Optical Wireless Broadband Point to Multi-Point (PtMP) architecture, making us the only OWB mesh solutions provider in the industry. SkyMESH is also excellent for providing a fast, low-cost way to expand bandwidth on existing networks through network turbo-charging, in which the SkyMESH consists of an overlay of SkyLINKs blended with the legacy network.

Contact Us

For further information on SKYFIBER™ products and solutions, please contact sales@skyfiber.com Or visit us on the web at www.skyfiber.com.