



APPLICATION BRIEF



ENTERPRISE SOLUTIONS

High-Speed Building-to-Building Connectivity Enabled with Optical Wireless

THE PROBLEM:

Today's Enterprises are experiencing a rising tide of network traffic that is overwhelming the typical connections that bridge buildings. With Enterprises standardizing on Fast Ethernet and Gigabit Ethernet (GbE) network speeds, the paltry 1.54-megabit connections between most buildings are heavily restricting throughput. Enterprises with large data requirements demand high throughput across Enterprise campus environments without the enormous costs of dedicated fiber-optic cable connections.

The Problem: Enterprises are constrained by T1/E1 inter-building performance or the expense of dedicated or leased fiber.

Connecting buildings with dedicated fiber is complicated, time consuming and expensive. Acquiring permits, securing rights-of-way, trenching, laying fiber-optic cable and meeting environmental regulations are a few of the challenges that

make the effort cost-prohibitive. Alternatively, leasing fiber is another costly option that is not always available at all needed locations. To eliminate recurring lease payments, lengthy network connectivity installations, and bandwidth constraints, Enterprises are turning to Optical Wireless solutions.

THE SOLUTION:

Enterprises with buildings visible by line-of-sight are turning to high-speed Optical Wireless bridging solutions for seamless building-to-building network connectivity.

The solution eliminates:

- Throughput bottlenecks
- Permits and licensing requirements
- Trenching
- Reliance on fixed-line service providers
- In-ground fiber requirements
- Leases and long-term contracts
- Time-consuming installations
- High costs

The Solution: High-speed beams of light connect Enterprise buildings, eliminating connection bottlenecks and the cost of fixed-line leases.

Leveraging free-space optics technology originally designed for military applications, Optical Wireless solutions combine the speed of fiber with the flexibility of wireless. Using beams of light, Enterprises can achieve secure GbE speeds without the complications of leased or dedicated lines. Now Enterprises can transmit large quantities of data wirelessly between multiple buildings at the speed of light.



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LIGHTPOINTE LEADERSHIP:

LightPointe Optical Wireless solutions are deployed in 60 nations.

LightPointe is a pioneer in Optical Wireless solutions. The company's outdoor wireless products have enabled high-speed, building-to-building wireless connectivity performance for many of the world's largest Enterprises.

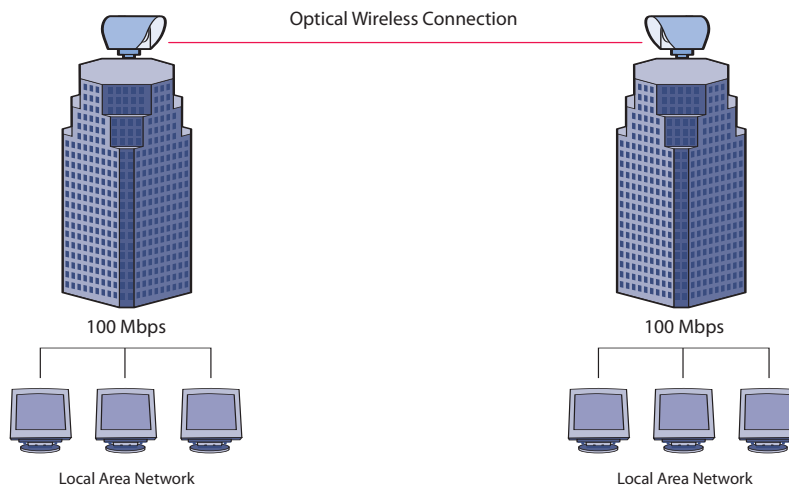
Designed to meet the bandwidth and availability requirements of the Enterprise, LightPointe seamlessly connects buildings that have line-of-sight visibility within approximately 4,000 meters or 2.5 miles.

Benefits include:

- Ultra-high bandwidth and throughput
- Full line speed, bi-directional communication
- Simple line-of-sight, point-to-point technology
- Multi-beam redundancy (certain models)
- Installed and operational in a day
- Economical alternative to fiber-optic cable
- Not reliant on service provider fiber line availability
- No ongoing charges – simply purchase and install

CORPORATE HEADQUARTERS

OPERATIONS & MANUFACTURING



LightPointe extends high-speed network connectivity between multiple Enterprise buildings.