Commercial Buildings

Commercial building property owners and managers have two key goals:

1. Attract and retain tenants
2. Oversee maintenance while staying on budget

In this data sheet, we show how building managers can generate a substantial competitive advantage over other commercial properties by investing in fiber optic networks.

When compared to other type of common connectivity options like DSL, copper-coax and wireless technologies, fiber stands a cut above the competition. Its key benefits include:

- Higher Bandwidth
- Improved Internet Speeds
- Security
- Lower Latency
- Increased Cloud Access
- Better Signal Strength
- Enhanced Durability

Fiber optic internet is many times faster than even the highest speed copper internet connections. Because it is less vulnerable to cyberattacks and allows for extremely fast downloads/uploads of huge files, it is perfect for the growing number of companies using cloud services (CRM, Amazon, Office 365) for daily business operations. Because the signal strength of fiber can last at least 40 years, this is an excellent way to future-proof your business for decades.

Commercial Building Factors Driving Demand for Fiber

Here is a list of trends driving demand for fiber optic networks to commercial building properties.

- Internet of Things (IoT) and 5G Utilization
- Mobile Computing
- Data Mining/Business Analytics
- Cloud-Based Applications
- HD Video
- Edge Computing
- Smart Buildings

All these are data intensive and require networks with high capacity, high speeds and complete reliability. By investing in pure fiber optic connectivity, your building can stand out against properties with limited or lackluster copper and wireless options. Today's tenants want fiber connectivity in their buildings, sometimes with diverse entrances for added redundancy. They also want the ability to connect to their choice of service provider for their internet.

Smart Buildings

From a landlord perspective, fiber optic, resilient, high-speed network infrastructure can help you make your building 'smart'. Thanks to the Internet of Things (IoT), building managers can install a variety of sensors, elevators, thermostats, security cameras, smoke alarms and other devices to provide real-time data to facility managers in charge of monitoring performance and addressing issues. By automating aspects of the ongoing maintenance process, you can save on utility spend and equipment costs, freeing up time and money to concentrate on attracting tenants.

DQE Communications Solutions

At DQE, we offer commercial building owners/managers a variety of customizable, fiber-based network solutions that can meet their requirements for fast, reliable bandwidth. Here's the best of what we have to offer:

Dark Fiber

DQE's Dark Fiber solution is essentially fiber without all the electronics. It's a technology-neutral, dedicated and scalable network solution that can be used for virtually every business application. It gives you or your tenant(s) the ability to light the fiber with your own network components and retain direct operational control over your network at a fixed cost.

Wavelength

DQE's Wavelength Service is a premium solution that supports multiple protocols with high SLA's that offer low-latency, point-to-point connection over a single fiber. Here, you get a dedicated, transparent, optical wave signal for high bandwidth transport between two termination nodes. Available bandwidth speeds include 1 Gbps up to 100 Gbps.

Metro Ethernet

DQE's Metro Ethernet solution extends your metropolitan-area Ethernet network between corporate sites or to the public internet. With committed speeds from 10 Mbps to 10 Gbps, customers can extend their Ethernet LAN over DQE's WAN, connecting each user via a redundant, secure 100% fiber optic network. As a true private network, all configurations are inherently more secure than internet-based Virtual Private Network (VPN) solutions.

Internet Services

DQE offers four tiers of reliable, scalable and flexible Internet Services to meet the individual needs of commercial building operators/managers and their tenants – **Basic, Dedicated, Highly Available** and **Internet Lite**. All feature 100% symmetrical upload and download speeds as well as access to a secure customer web portal to monitor bandwidth usage and network performance. Along with our Internet Services, we also offer a DDoS Mitigation Solution that can protect your network from disruptive, compromising cyber threats.

DQE Benefits

In addition to our best-in-class services, you also get unmatched customer service. Here's what you can expect when you partner with us:

- 100% Fiber Optic Network owned and managed by DQE
- Custom Network Solutions
- Speed
- Reliability
- 24/7/365 Network Operations Center (NOC)
- Customer Control Center
- Safety Conscious Workers

Bring fiber connectivity to your building and stand out from the competition.

About DQE Communications

Headquartered in Pittsburgh, Pennsylvania, DQE Communications is a fiber-optic Internet and data networking access provider for businesses and carriers throughout Pennsylvania, West Virginia, and Qhio. A subsidiary of Duquesne Light Holdings, DQE was established in 1997 to provide businesses with secure, reliable, and flexible network services. The company's continually expanding fiber-optic network currently spans over 4,200 miles, 2,700 buildings, 17 data centers, and 121 business parks. When working with DQE, you get a partner who is dedicated to understanding your needs and committed to delivering a solution that is right for your business.