

## QWave

### **The bandwidth you need at a price you can afford**

The demand for bandwidth continues to surge due, in part, to growth in applications, the Internet, centralized architecture and e-business. Qwest® QWave® provides customer solutions utilizing our award winning Qwest® AdaptiveBuild® process. This process delivers fully managed, end-to-end optical networks designed for the specific needs of enterprises and service providers. Designed to offer redundancy, it can protect your network against unexpected failures. QWave is based on a fully-managed service model providing both a long-haul and a metro solution.

### **Description**

QWave is a fully managed, private, point-to-point service delivered over a state-of-the-art dense wave division multiplexing (DWDM) network. The product is ideally suited for banks and financial institutions, government organizations, enterprise customers, interexchange carriers (IXCs) and wireless operators that require dedicated broadband transport network connectivity without the need for capital or the responsibility of owning and operating network infrastructure. Qwest provides an end-to-end solution with a wide range of transport bandwidths including 1GbE, 2.5G (OC-48), 10G (OC-192) - SONET or SDH - and 10GbE LAN PHY. Qwest AdaptiveBuild supports any special requirements with respect to interfaces, diversity, end-to-end connectivity and special routing for both metro and long-haul applications.

### **Features**

Some of the distinct features you'll enjoy from our QWave service include:

- Custom solutions delivered via our award-winning AdaptiveBuild process ensure the highest level of security and performance to support mission-critical applications
- Point-to-point, fully-managed optical wavelength service
- State-of-the-art DWDM network technology
- Long-haul and metro service connectivity
- A service level agreement (SLA) that is among the industry leaders
- Custom routing to meet unique diversity and disaster recovery requirements
- Low latency
- Unprotected or protected service options
- Monitored 24/7 network control center includes fault management of network transport alarms, surveillance, dispatch and fix verification/tracking.

### **Benefits**

Beyond the peace of mind that comes with knowing your network is extremely reliable, QWave offers a comprehensive communications solution that includes these benefits:

- End-to-end transparency, giving you greater visibility and control of your broadband services for more effective network management.
- Privately-owned fiber and repeater stations enabling you to focus on core competencies, relieving the burden of network management.
- Reduces the financial expenditure of network ownership thus preserving capital resources
- Ability to be configured to meet disaster recovery requirements combined with a customer-facing monitoring portal
- World-class service level agreements from 99.9 percent (unprotected) to 99.999 percent (protected—on an individual case basis)

### **How it works**

Qwest uses state of the art DWDM technology that enables several streams of digital information to be put on different wavelengths of light eliminating interference with one another. This allows

transport of up to 96 channels in a single strand of fiber and translates into higher capacity and lower cost.

- Protection – Qwest offers a variety of protection configurations including point of presence (POP)-to-POP as well as premises-to-premises services. This is available for long-haul and metro applications.
- Diversity – Qwest can meet customer requirements for redundancy or disaster recovery. Diversity can be configured to include POP, fiber path and node diversity. Dual entrances and fiber risers in buildings may also be available subject to confirmation of available facilities. Diversity circuits are uniquely identified in Qwest systems to ensure committed routing.
- Interconnections to customer equipment (applications) – Qwest offers a variety of interconnections with customer-owned equipment for data, video and storage protocols.

### **Why buy from Qwest?**

Qwest is a well-established supplier of telecommunication services and solutions to large business enterprises, government customers, content providers and interexchange carriers. Qwest's customers trust us to provide solutions that secure their applications—both on a daily basis and in the event of extraordinary circumstances.

Qwest QWave has a proven track record of exceeding customer expectations through:

- Competitive pricing
- Nationwide long-haul and metro footprint
- Qwest® AdaptiveBuild®
- Ideal solution for applications requiring low latency
- Premier trouble management for one-call resolution

### **Other products available from Qwest**

- Qwest Metro Private Line
- Qwest Domestic Private Line
- Qwest International Private Line
- Qwest Ethernet Private Line
- Qwest Metro Optical Ethernet
- Qwest iQ Networking®
- Qwest Hosting Services

Qwest® QWave® is available in the domestic U.S., subject to available facilities. Term commitment required. Additional equipment may be needed to terminate circuits. Installation, expedite, local access, extended wiring and other charges may apply.