PRODUCT OVERVIEW

Data Networking Solutions

Keeping your Business Reliably and Securely Connected
Network infrastructure is the backbone of today’s technology dependent business environment. However, the exponential growth of big data, explosion of large bandwidth applications, and heavy demands of a global economy are challenging businesses to rethink how they design and support their networks. Today’s enterprise must effectively manage networks that include more physical locations, new mission-critical applications, and intermittent spikes in traffic, without sacrificing performance or security. CenturyLink® data networking solutions can address these issues by delivering greater bandwidth flexibility, robust and fully integrated infrastructure, and centralized management not found in off-the-shelf network solutions.

CenturyLink data networking solutions are designed to deliver secure, seamless, and cost-effective options that fit the specific needs of your business. No matter if your business is local, national, or global, we make managing your network easier and more cost-effective, while keeping your business reliably connected, operational, and ready to keep up with ever-changing performance demands.

Data networking is just one part of CenturyLink’s broad portfolio of products and services for enterprises ready to transform their business with hybrid IT and more.
What is Data Networking?

Data networking is the method for connecting locations and devices, such as computers, telephones, and mobile devices to exchange data along pre-defined routes or links. Often, these routes span large geographical areas — across cities, states, regions, or countries — and terminate in specific data center buildings that house the hardware needed to power the network. Data networks can run over private systems, public systems, or a combination of the two. Supporting the addition of more devices and locations on a network requires adding more lines of connectivity, bandwidth to transmit data packets, and security protocols and programs to protect information from unauthorized access and use. As demand for more complex data such as large video files, information from corporate databases, and other sources continue to increase, businesses must find new ways to build larger, higher performing, and more secure networks.

Why Use Data Networking?

Virtualization and cloud-based communications add complexity to network operations, requiring managers to understand the limitations of their systems and accurately identify potential bottlenecks and points of failure. Next generation network virtualization and design allows applications to dynamically scale to bandwidth requests and automatically balance loads to optimize performance while minimizing hands-on management. With the acceleration of technology, IT organizations often find themselves exhausting critical resources managing multiple networks and geographically dispersed assets. Today’s data networks must be more agile and adaptable than at any time in the past. A comprehensive network solution from a single provider offers the flexibility to quickly and cost-effectively adapt networking solutions to meet the unique demands of the business, providing a robust and reliable infrastructure capable of supporting business-critical applications and bandwidth needs. These solutions also enable network planners to schedule legacy technology retirement and better address changing user and application needs requiring more advanced capabilities.
Why CenturyLink?

CenturyLink provides global converged networking services based on the latest technologies to build comprehensive, customizable networks. Our consultative approach to network design includes a vendor-neutral environment, meaning customers can choose from a number of economical, flexible, and feature-rich implementations that are unique, scalable and designed around the specific requirements of the customer’s business.

CenturyLink data networking services blend high performance, agility, and unrivaled customer support. As a Tier 1 provider, we own and operate our global network featuring more than 500,000 miles of fiber connectivity with 100 Gbps capacity across a 20.9Tbps network backbone featuring full IPv6 support. We run three separate security domains for voice, private lines, and Internet on a single backbone for enhanced availability, delivering a documented 99.996% average uptime to keep businesses like yours connected around the clock.

With more than 40,000 on-net buildings and more on the way, riding on the CenturyLink network provides businesses with the performance and access they need to succeed. CenturyLink boasts LEC and CLEC presence in 37 states and direct connections into almost 300 data centers across the globe. We have committed significant time and resources to global network virtualization. This has resulted in greater cloud and data center integration, more network customization options, enhanced network management, and flexible pricing models to suit virtually any budget.

Agility
CenturyLink’s global footprint and broad portfolio of data networking products help you quickly respond to your data networking needs. We can seamlessly integrate cloud and data center networks for flexible hybrid network management and on-demand pricing.

Innovation
CenturyLink continues to invest in network virtualization and has doubled our MPLS network capacity each year for the last four years. The added capacity supports our model of using best-of-breed technologies with the best features available to create an optimal network for business innovation.

Efficiency
With 1Mbps, 100Gbps, TDM, optical, Ethernet, and even broadband connectivity options, CenturyLink provides access based on your business needs. Increased flexibility makes it easier to design a network configuration that supports the way you work.
Sub products
Multiprotocol label switching (MPLS) and virtual private network (VPN).

Get 100% core-network availability service level agreements for secure converged data, voice and, video traffic — all on a single network connection. CenturyLink’s robust MPLS spans 38 markets across the United States, with 100GigE and 10 GigE circuits connecting the highest traffic routes.

Private Line Services
Support your global networking, security, and business continuity requirements with Ethernet Virtual Private Line, Ethernet Private Line, Optical Wavelength Service, and International Private Line. With CenturyLink as your T-1/DS-1 Internet service provider, you’ll never have to worry about your communications technology slowing your business down. Our services are provisioned on copper, fiber, and in some instances, microwave radio for reliable, scalable performance.

Internet Bandwidth
Connect your users and bandwidth-intensive business applications, with superior peering and interconnectivity. CenturyLink offers connectivity options for virtually any need. From MPLS and private line LAN to broadband delivered over cable, copper, Ethernet, or fiber, CenturyLink has you covered.

Security
Data security is one of our highest priorities. CenturyLink’s Software Defined Networking (SDN) provides a centralized intelligence and control model delivering much-needed flexibility to network security. Rather than simple end-point security measures, our network-based security and multi-layer DDoS protection provides coverage to every corner of your network for the ultimate defense.
Data Management

CenturyLink keeps your business running and your essential data safe. Our skilled operations engineers proactively monitor your network’s performance and managed network devices in real time, 24/7. Our comprehensive and continual management allow us to quickly isolate and correct unusual operational behaviors, address customer-requested configuration changes, and maintain the integrity of the applications that run on our data networks.

Our device management service level agreements (SLAs) include performance thresholds for incident identification and response, policy change request acknowledgement and implementation, and emergency change request implementations.

In addition, our easy-to-use Control Center interface lets you stay on top of your business with a full suite of online reporting capabilities such as live network performance statistics and real-time alert monitoring so you always know where your business stands. The Control Center also lets you submit and track trouble ticket requests. Now every aspect of your network gets the round-the-clock attention it needs. Always.

Geographic Availability

CenturyLink Data Networking Solutions are available around the globe. CenturyLink owns, operates, or leases more than 500,000 miles of fiber worldwide, including an international backbone boasting more than 280,000 fiber route miles. Our global footprint extends to more than 85 countries with seamless connectivity into almost 300 data centers on six continents for a truly global presence. Moreover, our network features dual POP resiliency in major financial and business centers to ensure performance.
About CenturyLink Business

CenturyLink, Inc. is the third largest telecommunications company in the United States. Headquartered in Monroe, LA, CenturyLink is an S&P 500 company and is included among the Fortune 500 list of America’s largest corporations. CenturyLink Business delivers innovative private and public networking and managed services for global businesses on virtual, dedicated and colocation platforms. It is a global leader in data and voice networks, cloud infrastructure and hosted IT solutions for enterprise business customers.

For more information visit www.centurylink.com/enterprise.