

SUPPORT REMOTE EMPLOYEES WITH HIGH-CAPACITY BANDWIDTH





Many organizations are discovering that remote work benefits their business. For IT, that means accommodating demands for increased bandwidth from the network connections of a mobile workforce. Scalable, high-capacity connectivity solutions can help support fast internet access, application performance and employee productivity as more teams opt to work off site.

As a part of Charter Communications, a Fortune 100 company, Spectrum Enterprise continues to invest in our network and expand our reach to offer high-capacity capabilities that help organizations address the rapid growth of virtual private network (VPN) connections and cloud applications. From 2016 - 2020 alone, Charter Communications invested nearly \$40 billion in infrastructure and technology. We provide dedicated internet access and Ethernet up to 100 Gbps to power high-volume applications. Our collaborative approach to network modernization brings additional resources and expertise for IT teams to make the most of limited time and budgets.

In this executive brief, we explore ways the high-capacity bandwidth of our Fiber Internet Access and Ethernet Services deliver on the promise of a modern network that can support a distributed workforce. This creates a better experience for employees, customers and other users who depend on more applications on your network and in the cloud.

More than 20 percent of the entire workforce may continue to work remotely three to five days a week.³

Maximize productivity for remote employees

Remote work became mainstream for many businesses in 2020, with the finance and insurance industries leading the way.¹ Even as normal business activities resume, by some estimates more than 20 percent of the entire workforce may continue to work remotely three to five days a week.² That means three to four times as many people could be working from home than before the pandemic.



While employing a distributed workforce can create efficiencies and expand access to a larger talent pool, it can pose unique challenges for IT. Inbound VPN connections can lead to latency problems as more users attempt to access the internet and internal resources through the corporate network. Increased bandwidth capacity can accommodate growing demands for remote access while maintaining consistent performance for distributed workforces.

Use case: Remote employees in finance

Remote work is driving the need for increased bandwidth in financial services. Banks, investment management companies and their remote employees depend on reliable, high-capacity, low-latency access to capital markets, cloud-based productivity tools, third-party billing systems and cloud file storage to deliver products and services. When a substantial share of the workforce relies on secure VPNs, corporate networks can struggle to allocate enough bandwidth to give remote users high performing connections to internal networks, cloud applications and the internet.

Solution: Financial institutions can use scalable options for high-capacity Ethernet Services and Fiber Internet Access to manage the inbound traffic from a growing share of remote employees connecting to their networks.

Enhance the performance of cloud platforms

Rapidly expanding adoption of cloud applications has given more employees the flexibility to do their jobs from anywhere. As access to public and private cloud platforms has become more essential for productivity, so has the demand for internet and Ethernet capacity.

Organizations relying heavily on real-time video conferencing, for example, need to resolve connectivity issues related to network performance — such as latency — to ensure smooth business operations. Cloud-based productivity apps can also place increasing demands on a network as more internet-bound traffic competes for limited resources.

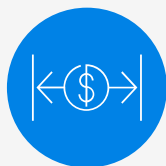
High-capacity connectivity to private data centers and major interconnection hubs in the public cloud can boost the performance of a multi-cloud environment and create cost efficiencies by consolidating multiple fiber connections. Ethernet provides a superior, private connectivity solution to strengthen security while connecting headquarters to the data centers that host cloud services or manage traffic at enterprise scale.

Choose a partner that can evolve with your workplace

An increasingly mobile workforce and the fast pace of change can strain networks, impacting users' connection speeds and security. As your organization evolves, so does your need for high-performing, low-latency connectivity. Spectrum Enterprise offers scalable bandwidth for internet and Ethernet solutions with speeds up to 100 Gbps for your most data-intensive applications. Now it's easier than ever to adopt solutions with the right bandwidth to support all the ways people access your network.

- **Fiber Internet Access:** Ensure a dedicated, high-performance internet connection with a partner you can trust. Experience the consistent performance you need to keep critical cloud applications up and running and your business operating. Fiber Internet Access provides nationwide, dedicated internet connectivity with symmetrical upload and download speeds, delivered securely over our private fiber network.
- **Ethernet Services:** Meet ever-growing data needs by connecting locations with a fast, secure, reliable, private wide area network (WAN) solution backed by performance guarantees and delivered over a dedicated fiber infrastructure. An online portal empowers IT staff with network visibility, providing near real-time status updates and reporting capabilities. It also includes our high-touch, end-to-end service delivered with superior network design.

Additional advantages of high-capacity bandwidth:



[Reduce costs and complexity](#) by consolidating internet connections and traffic.



Maintain performance as more employees access network resources and the internet through VPNs.



[Count on rapid restoration of data](#) from private data centers and the public cloud after a disruption.



[Expand your capabilities](#) with a national partner investing in a dense private fiber network.

Why companies choose Spectrum Enterprise

- 1,200+ MEF certified professionals.
- MEF award-winning network service provider.
- One of the top U.S. Ethernet providers, according to the Mid-2021 U.S. Carrier Ethernet Services LEADERBOARD.⁴
- Nationwide network reach with 255K+ fiber-lit buildings and 230K+ fiber-route miles.
- 99.99 percent service availability supported by an end-to-end service-level agreement (SLA) that extends into the client suite.
- 24/7/365 proactive monitoring with U.S.-based support.
- Local technicians.
- A four-hour mean time to restore (MTTR) — not just to respond.

Conclusion

Spectrum Enterprise continues to invest in our technology and nationwide fiber network to enable capabilities like high-capacity connectivity so your organization is prepared to meet the networking challenges of a changing workforce. As your trusted partner, we will collaborate with your team to deliver the right bandwidth solution to ensure reliable performance, low latency and high uptime across your entire network.

Partnering with Spectrum Enterprise enables your organization to innovate and continue your network modernization journey. We offer high-capacity Fiber Internet Access and Ethernet Services up to 100 Gbps, with the flexibility to adopt different speeds across locations with varying needs. These services make it easy to support and maximize productivity for remote users. And in the event of a disruption, they also support the rapid restoration of data to essential business applications.

Our diverse portfolio of connectivity solutions makes it easier, quicker and more cost-effective to access bandwidth capacity few other providers can match. Our internet and networking services are backed by an industry-leading SLA that offers 99.99 percent service availability with a four-hour mean time to restore — not just respond — for reliable connectivity into the client suite. You can count on high performance and low latency for your users, allowing you to rest easy knowing your solutions include 24/7/365 U.S.-based support and local technicians.

Work with a network service provider that has the knowledge, experience and technology to meet the changing needs of your organization. Learn more at enterprise.spectrum.com/HighCapacity.

1. Susan Lund, Anu Madgavkar, James Manyika and Sven Smit, "[What's Next for Remote Work: An Analysis of 2,000 Tasks, 800 Jobs and Nine Countries](#)," McKinsey & Company, Nov. 23, 2020.
2. Ibid.
3. Ibid.
4. "[Mid-2021 U.S. Carrier Ethernet LEADERBOARD](#)," Vertical Systems Group, Sept. 2, 2021.

About Spectrum Enterprise

Spectrum Enterprise, a part of Charter Communications, Inc., is a national provider of scalable, fiber technology solutions serving many of America's largest businesses and communications service providers. The broad Spectrum Enterprise portfolio includes [networking and managed services solutions](#): [Internet access](#), [Ethernet access and networks](#), [Voice](#) and [TV solutions](#). The Spectrum Enterprise team of experts works closely with clients to achieve greater business success by providing solutions designed to meet their evolving needs. For more information, visit enterprise.spectrum.com.

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