

RELIABLE, POWERFUL, DEDICATED FIBER INTERNET ACCESS



Power innovation and drive competitive advantage with high-performance dedicated internet connectivity from Spectrum Enterprise.

Across organizations of all types and sizes, continuous, high-performance data access grows more essential every year. Day-to-day operations — from enterprise resource planning (ERP) to email — depend on reliable internet connectivity. Outages leave workers idle, incur costs from lost opportunities and tarnish your reputation. Spotty performance reduces application responsiveness, negatively impacts the user experience and makes it impossible to get the full value from real-time collaboration and other critical workloads. To ensure your organization is running smoothly requires a high-performance, modern internet connectivity solution.

Internet connections delivered on fiber networks are a key means for addressing these technical challenges and delivering value to your organization. Spectrum Enterprise Fiber Internet Access (FIA) is a modern, dedicated internet service that enables your users to collaborate and share data with the performance and reliability that today's businesses need. The quality delivered by Spectrum Enterprise FIA gives you confidence as you equip your organization with the internet access it needs to thrive.

Fiber is the dominant medium for providing high-speed Internet connections growing at a CAGR of 9 percent through 2027.¹

The trend toward fiber adoption is clear. In fact, Grandview Research reports that fiber is the dominant medium for providing high-speed internet connections, growing at a CAGR of 9 percent through 2027. Grandview also reports on the “future-readiness” of fiber connections, “due to their continuously improving technologies to increase bandwidth according to business needs without the deployment of novel networks.”²

[View the infographic](#) to take an insider's look at how high-growth organizations leverage technology to unlock opportunity, strategize around innovation, prioritize security and focus on the client experience.

Spectrum Enterprise FIA provides reliable connectivity based on dedicated connections for your organization over a private, advanced fiber internet network. Unlike other providers that deliver unguaranteed, “best-effort” connectivity that may leave you isolated at critical times, the service level agreement (SLA) from Spectrum Enterprise provides you assured confidence. Your organization will have 99.99 percent service availability, as well as low latency, jitter and packet loss all the way into your suite.

Fiber Internet Access provides your organization with bandwidth that scales up to 100 Gbps, to meet requirements across use cases and workloads. The nationwide fiber network from Spectrum Enterprise connects all of your organization's locations and resources, delivering the reliable and powerful internet access it needs in this data-driven age.

Power up your organization with performance and reliability, no matter what

Your organization depends on high bandwidth and reliability for excellent user experiences with your data-intensive, cloud-based and mission-critical applications. The FIA service is highly consistent, delivering predictable performance.

Fiber Internet Access provides predictable quality that users, applications and IT can depend on.

Spectrum Enterprise offers dedicated bandwidth availability for your organization. By contrast, it is common for other internet service providers to offer shared broadband services. This approach is one of several, which can lead to oversubscription on the local access allowing providers to sell more bandwidth than is actually available on the network segment, on the assumption that usage highs and lows by different clients will balance each other out. The provider calculates that the target amount of bandwidth quoted to each client will likely be available to them when needed, but the lack of a service availability guarantee is problematic for business-critical workloads.

In addition to bandwidth guarantees, Spectrum Enterprise offers a powerful SLA to ensure that your organization gets consistent connectivity it can rely on, including 99.99 percent service availability and a four-hour mean time to restore (MTTR) — not just respond. These contractually assured service levels safeguard fidelity for implementations that can't tolerate delay, such as video collaboration and unified communications.

Spectrum Enterprise FIA is an excellent foundation for cloud-native, data-intensive workloads to help chart your growth to digital transformation and adopt forward-looking infrastructures such as software-as-a-service (SaaS), hybrid cloud and cloud-based storage.

Now more than ever, businesses are faced with an unpredictable future in terms of what the workplace will look like. Lane Wilson, Senior Vice President and General Counsel of The Williams Companies, reflected on the need to consider multiple possible futures at the same time. Testifying before Congress during the COVID-19 pandemic, he said, "For more task-oriented workers, telework may continue to be an option that is offered beyond the days of this pandemic. But we are also very cognizant of the value of in-person collaboration and idea generation that happens organically in an office environment. Balancing these two factors is important."³

[Read the product brief](#) to explore the potential for accelerating your organization with outstanding performance and reliability from Spectrum Enterprise FIA.

As your organization considers the ways that data will define its future, the need for rock-solid, high-performance internet connectivity for every user at every location, every day emerges as a core requirement. Fiber Internet Access is up to the challenge, providing predictable quality that users, applications and IT can depend on, taking service interruptions and inconsistency off the table.

Tailor internet access to your needs with our excellent flexibility and nationwide reach

Spectrum Enterprise operates one of the largest dedicated fiber networks in the United States, with more than 246,000 fiber-lit buildings and growing.

Our nationwide, private fiber network allows you to simplify the task of providing connections to all of your locations, with a single provider — eliminating the headaches associated with engaging a long list of providers. This seamless coverage provides universal, consistent connectivity across your whole organization, wherever you need it. The single-provider solution also reduces the complexity, time and cost to add new locations and allows you to build a strong partnership with a provider you can trust.

Spectrum Enterprise operates one of the largest dedicated fiber networks in the United States, with more than 246,000 fiber-lit buildings and growing. The extent of our network makes it simple for you to implement and expand FIA to multiple locations across the country, scaling with your organization. The vast coverage of existing fiber gives you the basis for lighting up new sites and connections quickly, without the long lead times imposed by many other providers.

Internet speeds that scale up to 100 Gbps meet the needs of network sites as they grow and add new requirements for data transfer. The connections provided by Spectrum Enterprise FIA are symmetrical, meaning that upload speeds are the same as download speeds. Having consistently fast speeds makes connections more viable for tasks such as uploading large amounts of data, enabling cloud-based applications, providing video conferencing and supporting connections from large numbers of remote workers.

Spectrum Enterprise offers a range of managed services that complement our FIA solution to protect, simplify and improve the performance of your network. The combination of Spectrum Enterprise FIA and Managed Network Services simplifies the addition of advanced technologies and capabilities in your environment. These technologies include:

- **Managed Network Edge** simplifies the deployment and management of your network with this modular, all-in-one solution. Delivered over the Cisco Meraki platform, the solution offers security, routing, SD-WAN, WiFi, switching and cameras. Achieve flexibility and scalability with connectivity, equipment and network management from a single partner.
- **Managed SD-WAN** achieves greater visibility and insight with a managed wide area network that allows for application-aware routing while reducing network complexity and cost.
- **Managed Router Service** efficiently routes traffic and improves bandwidth use without investing in hardware or day-to-day management.
- **Managed Security Service** protects your network with a fully managed solution that offers a firewall and unified threat management (UTM), intrusion detection and prevention, anti-malware, antivirus, event log management and more.

- **Managed WiFi** meets customer demands for reliable connections to the internet with ubiquitous coverage across your facilities and 24/7/365 support.
- **DDoS Protection** guards against malicious volumetric attacks designed to overload your network with world-class distributed denial of service (DDoS) threat identification and mitigation.
- **Unified Communications** answers communication and collaboration needs with a fully managed, cloud-based unified communications solution that includes calling, messaging, desktop sharing and more for today's mobile, on-the-go workforce.

[Download the guide](#) to simplify the management of your technology infrastructure, create cost savings and better meet customer expectations.

Spectrum Enterprise FIA, along with our portfolio of managed services, empowers your organization with guaranteed high performing connectivity while freeing your internal resources to focus more squarely on innovation.



Extend the value of Fiber Internet Access by partnering with Spectrum Enterprise

As part of a Fortune 100 company, Spectrum Enterprise has invested \$35 billion over the last five years in its technologies, fiber network and ability to support our clients' changing needs.

The technology itself is only part of the value that Spectrum Enterprise offers; the people behind the network are a key differentiator. For example, clients have access to highly qualified technical staff who are product and technology experts. With Spectrum Enterprise, you get a deep bench of assistance and insight — from design and implementation to support and troubleshooting — in addition to end-user assistance with common issues.

Spectrum Enterprise is a single nationwide partner with one resource team for all services and support, extending all the way to the point of service at each of your physical locations. Our team provides support and assistance, 24/7/365, using U.S.-based call centers and local technicians. A rich set of self-service resources are also available, such as user manuals and quick-start guides that provide direction to users and IT, instruct clients on setup and offer detail on service features and capabilities.

A close working relationship between the Spectrum Enterprise technical staff and your network operations and engineering teams can improve day-to-day results while also guiding future development of your connectivity infrastructure. Proactive network monitoring helps detect potential incidents so they can be addressed before they impact performance and productivity. Spectrum Enterprise also helps enable and streamline your ongoing development and optimization initiatives.

To keep your in-house IT and senior management informed, we provide you access to portals that report on network health and behavior. The portals also provide visibility to support investigation and research on network activities for audit purposes. Web-based, secure dashboards provide constant access to visualizations of network topology and traffic flows and the ability to drill down directly into devices and connections for analysis. These capabilities empower your organization to gather performance statistics and other indicators that can support data-driven decisions.

[Read the white paper](#) and learn about the critical role that network diversity plays in ensuring reliable network connectivity for your organization and the main factors to consider.

As part of a Fortune 100 company, Spectrum Enterprise has invested \$35 billion over the last five years in its technologies, fiber network and ability to support our clients' changing needs. That ongoing cycle of investing in the future helps extend confidence that Spectrum Enterprise will be ready not only for the networking challenges of today, but for those that will arise in the years to come.

Conclusion

To meet the needs of the data-driven future, your organization needs internet connectivity that is reliable, powerful and dedicated. Fiber Internet Access provides those capabilities and more, with an SLA that delivers a consistent user experience and results, complemented by expert service and support. Spectrum Enterprise FIA is the modern internet solution that helps your organization prepare for a future where agility and data-intensive workloads play larger roles than ever before.

Take the next step to ensure your organization is reliably connected with Fiber Internet Access.



1. "Broadband Services Market Size, Share & Trend Analysis Report," Grandview Research, May 2020. <https://www.grandviewresearch.com/industry-analysis/broadband-services-market>.
2. Idib.
3. "Modernizing Telework: Review of Private Sector Telework Policies during the COVID-19 Pandemic," Homeland Security and Governmental Affairs, July 2020. <https://www.hsgac.senate.gov/imo/media/doc/UPDATED%20Wilson%20TESTIMONY%20for%20RAFM%2007.28.2020.pdf>.

About Spectrum Enterprise

Spectrum Enterprise, part of Charter Communications, Inc., is a national provider of scalable, fiber technology solutions serving 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. Spectrum Enterprise's industry-leading team of experts works closely with clients to achieve greater business success by providing solutions designed to meet their evolving needs. More information about Spectrum Enterprise can be found at enterprise.spectrum.com.

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