Dedicated Fiber Internet for K-12 education

Count on the reliability, bandwidth and speed of a dedicated internet connection

Today's K-12 schools and districts depend on high-performing internet solutions to keep critical applications running and personalized and online learning operational. A dedicated, dependable internet connection ensures high performance for your network resources, allowing you to better serve students, educators and staff.

Dedicated Fiber Internet is a service that offers high-speed, scalable, nationwide internet connectivity, with performance and support you can count on. The service is backed by a 100% uptime service-level agreement (SLA) all the way to the handoff point at your location.

Product highlights

- **High performance:** Improves productivity through a high-performing internet service that delivers reliable connectivity.

- **Scalability and reach:** Provides a scalable platform with national reach and dense metro coverage to support current and future bandwidth needs.

- **Business continuity:** Allows for optional solutions to support internet uptime in the event of a disruption.

- **End-to-end support:** Provides a single, nationwide contact point for services and support including in-building connections to your equipment.

- **Value:** Offers cost-effective, straightforward pricing.

Key features

- A dedicated connection that is not shared with others, delivered over a reliable, advanced fiber network that is available nationwide.

- The service delivers low latency, jitter and packet loss all the way to the handoff point at your location.

- Symmetrical access that scales up to 100 Gbps.

- 100%, 24/7/365 U.S.-based support and local technicians.

- Multiple physical diversity and redundancy options to help protect the network.

Technical specifications

Network
- IP over IEEE 802.3-based, full-duplex, non-circuit switched services.
- On-net locations are provisioned via our advanced fiber network from the client premises to one of many hub locations throughout the Spectrum Business® network footprint.

Routing
- Static or border gateway protocol (BGP) traffic routing options.

Internet access demarcation
- Fiber connections to the Spectrum Business network are monitored 24/7/365 via a dedicated network interface device (NID).
- Traffic is routed over the Spectrum Business IP network until it is delivered to the internet.
- Demarc extensions are installed for most buildings where service is provided.

Static IP addresses
- Initial IP block is included.
- Additional IP address space available upon request.
- Support for dual stacking of IPv4 and IPv6.

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Available services

- **Wireless Internet:** Provide temporary or secondary internet access over 4G or 5G LTE Advanced technology with this all-inclusive wireless internet service.

- **Enterprise Network Edge:** Improve the network experience for your students, educators and staff with an enterprise-grade managed solution that brings together connectivity, equipment and network management to support hybrid networks and schools and districts. Powered by Fortinet, the solution simplifies IT operations by providing networking with security features.

- **Managed Network Edge:** Simplify the deployment and management of your network with this modular, all-in-one solution. Delivered over the Cisco Meraki platform, the solution offers security features, routing, SD-WAN, WiFi, switching, smart cameras and environmental sensors.

- **Managed Router Service:** Efficiently route traffic and improve bandwidth use without investing in hardware or day-to-day management.

- **Secure Access with Cisco Duo:** Help protect your school or district from unauthorized access to sensitive systems, regulatory violations and data loss that can disrupt your business. Capabilities that include multi-factor authentication (MFA) and identity management (IdM) allow IT to set access policies by user and device, regardless of location.

- **Cloud Security with Cisco+ Secure Connect:** Allow remote students, educators and staff to access cloud SaaS applications and the internet securely and directly without reliance on a traditional centralized or premises-based security solution. This feature-rich cloud-based security service includes a secure web gateway (SWG), cloud access security broker (CASB), IdM, zero trust network access (ZTNA) and more.

- **DDoS Protection:** Help guard against malicious volumetric attacks designed to overload your network with fully managed distributed denial of service (DDoS) threat identification and mitigation.

- **Unified communications:** Answer communication and collaboration needs with a fully managed, cloud-based voice solution that brings together calling, messaging, meetings, virtual workspaces and more in a single application that delivers a unified experience for today's remote students, educators and staff.

Learn more
enterprise.spectrum.com/K12Ed

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