

# Astound Business Solutions for Healthcare







## Astound's High Bandwidth Connectivity

The days of hardcopy patient records management are long gone, having been replaced by electronic health records (EHR) and paperless workflows. Advances in high-resolution medical imaging technologies create huge digital files that doctors need to access and share across multiple devices and with colleagues. Biometric monitoring and wearable devices create a constant stream of wireless data between patients and providers. And spurred by the pandemic, telemedicine has seen exponential growth, allowing medical professionals to remotely diagnose and treat patients.

For these reasons and more, healthcare professionals require reliable and fast internet services to keep up with the demands of an increasingly digitized industry. Going forward, technology will continue to play a significant role in nearly all aspects of healthcare, from research and development to patient care and administration. Even the entertainment/media available in a doctor's office, hospital, or at an assisted living facility will impact where patients choose to get their care.

Astound offers the high speed, high bandwidth data connections required to ensure that busy EHR systems work smoothly, that radiology centers can transmit large files efficiently, that doctors can access the information and images they need quickly and easily, and that patients and residents can watch their favorite programs in every room.

## Choose Astound for Secure, Fast, and Reliable Connectivity

-  **Dedicated Team, Customizable Solutions.** Our team of experts works closely with you to design a solution that fits your specific needs, be it a large-scale network for a hospital or a smaller setup for a private practice.
-  **Highly Secure.** We understand the importance of protecting sensitive patient data and have implemented robust security measures, such as SD-WAN technology, plus private network connections to keep your information safe and secure.
-  **Fast and Reliable Connectivity.** Our modernized fiber-optic network provides high-speed internet connectivity with low latency and high resolution, ensuring medical professionals the reliable access to images at the quality they need to perform their duties efficiently.
-  **24/7 Support.** We're agile, nimble, and focused on providing all the support you need, when you need it, so your team can focus on your patients, not technology.

# Bandwidth: Critical to Healthcare Providers

**Astound offers high bandwidth connectivity within a number of products and services specifically designed to meet the needs of all types of healthcare providers:**



**Transport** - Simple, cost effective, private connectivity for large networks. With speeds from 10G to 100G for point-to-point or point-to-multipoint connectivity, our Ethernet makes sharing data between locations secure, fast, and easy. And our Wavelength product can provide connections with speeds up to 400G via DWDM (Dense Wavelength-Division Multiplexing).



**Dark Fiber** - Our Dark Fiber gives you total control and security over your own private network without restrictions. We provide the fiber backbone, you provide the equipment. The result is a scalable, secure, independent network that you customize and troubleshoot as you see fit.



**Software Defined Wide Area Networks (SD-WAN)** - Geographically diverse organizations can leverage our SD-WAN technology to manage all network connections and route traffic across multiple sites from a centralized location. Quickly respond to changes, eliminate network congestion, and keep everyone connected at a lower cost by replacing legacy connections with broadband internet services.



**Dedicated Internet Access (DIA)** - We enable mission-critical business activities by connecting your healthcare facility directly to the internet. This scalable service provides a dedicated, always-on connection with guaranteed speed and bandwidth to empower employees and partners to access the internet efficiently and cost-effectively.



**Wireless Internet Backup (WIB)** - WIB maintains the use of mission-critical mobile devices in the event of a disruption to services. WIB activates instantly and automatically upon signal loss, switching your wireless connection to a cellular network, providing critical redundancy for greater reliability and business continuity. Choose a plan that fits your needs and pay only for data you use.



**Amazon Web Services/Microsoft Azure Direct Connections** - Use our network to create a private, dedicated connection with one of our Cloud technology partners, AWS or Microsoft Azure. Their hosted or dedicated connections will allow your traffic to bypass the public Internet, providing lower latencies while ensuring more bandwidth, security, and reliability.



**Business TV** - Stream high quality entertainment, digital signage, or educational infomercials into waiting rooms, lobbies, and every patient room using only a power outlet and an internet connection. A wide variety of channel lineups are available by region to keep patients and visitors entertained. Connect via our DIA service to ensure high quality broadcasts.

**To take your medical practice to the next level, contact your dedicated rep today:**

