

Communications Solutions Designed for Health Care Providers

LET FRONTIER HELP MEET YOUR ORGANIZATION'S NEED FOR BANDWIDTH, EFFICIENCY AND DATA SECURITY



Today's health care providers require a strong network backbone and sufficient network capacity to support growing bandwidth demands generated by developments such as the following:

- **Digital health care, including telehealth** – which is generating massive amounts of sensitive data that must be securely stored and shared with an increasing number of stakeholders
- **The rapid growth of mobile devices in health care facilities** – resulting in new medical software applications, improved health record management, better communication and more opportunity for education and training
- **Advanced patient care data** – that requires more bandwidth for transmission and storage, as well as advanced and increasingly complex security measures

Due to these and other developments in the health care industry, it's important for every health care provider to have a plan for upgrading network systems and streamlining health IT operations. To do this most effectively, you need a partner. Frontier understands the communications technology needs of health care providers and has the network, equipment, managed services and purchase/lease options to meet these needs, along with expertise about how the products and services work together in hospitals, clinics and medical offices.

While you focus on improving patient outcomes and lowering health care costs, trust Frontier to provide advanced communications solutions that can increase productivity and lower the overall costs of your technology investments. We'll work closely with your team to assess your current situation, determine future communications requirements, and select products and services that fit into your timeframe and budget. What's more, Frontier backs everything up with local customer support.



To learn what Frontier can do for your health care organization, please visit us at frontier.com/businessedge.



Frontier Data Networking Solutions

Many factors contribute to the increased bandwidth needs of today's health care providers. They include high-bandwidth applications used in telemedicine, the transition from paper records to electronic ones, growing demand for wireless coverage throughout facilities, and the need to protect patient records and administrative files with data backup & recovery.

Frontier is helping health care providers meet these challenges with our portfolio of data networking solutions. We'll partner with you to develop a customized solution that meets your needs.

Frontier Ethernet

- Frontier's Ethernet Portfolio has been certified compliant to the highest industry standards by the global standards organization, the Metro Ethernet Forum: Carrier Ethernet 2.0.
- We offer Ethernet solutions including ELAN, ELINE, and EIA for the networking challenges to help building-to-building communication/data transport.
- Our Ethernet services deliver:
 - Speeds up to and exceeding 10Gbps
 - Easy integration with existing networks and infrastructures
 - High availability and performance
 - Engineered lines configured for performance to limit noise and environmental factors
 - Symmetrical upload and download speeds enable uncompromised traffic flow
 - Well-planned and coordinated migration from other carriers with minimal downtime
 - Commercial grade network with a coast-to-coast data backbone

Frontier Dedicated Internet Access

Frontier not only provides dedicated private lines to improve network performance, but we also help create secure, private

networks for sensitive data transfers between servers and multiple locations.

- Unlike typical xDSL and cable services, a Frontier Dedicated Internet Access connection uses a range of access technologies to give you symmetrical bandwidth on a survivable high-speed nationwide IP backbone.
- Dedicated Internet Access (DIA) provides a direct connection to the Frontier Core Internet Router. This provides your facility with a wide array of bandwidth choices with speeds up to and exceeding 10Gbps. Dedicated Internet Access supports services such as:
 - Wi-Fi Hot Spots & Anchors
 - Data Backup & Recovery
 - Audio, Web and Video Conferencing



Frontier Managed IP VPN

- IP VPN (an MPLS-based Virtual Private Network) from Frontier provides a highly secure, private data network for all sensitive information.
- Enables integration of multiple networks (voice, data, video) onto a single network.
- Provides ability to prioritize traffic types to accommodate time-sensitive payloads.
- Provides Internet connectivity in addition to site-to-site data connectivity.
- Network management handled by highly skilled network architects.

Frontier Wi-Fi Solutions

Wi-Fi networks and wireless devices are creating new ways to help improve patient care, streamline staff workflow and reduce costs. For example, clinicians are rapidly adopting tablets as a tool for mobile patient management. Most medical equipment is now Wi-Fi enabled—including wireless EKGs, infusion pumps and blood pressure cuffs—to permit the electronic transmission of real-time patient data. Nurses are able to monitor multiple patients remotely from one main station, and patients can move about while still being monitored.

By leveraging a Wi-Fi network designed to deliver wired-like performance, you can take advantage of sophisticated applications and services throughout your health care facilities, improving both patient safety and data accuracy.

Planning Considerations

Frontier will work with you from the ground up to design and install a Wi-Fi network that meets the unique requirements of your health care organization.

Planning considerations will include:

- Compliance with privacy and security regulations
- Identification and prioritization of critical health services and applications
- Delivering robust system reliability with built-in redundancy
- Meeting the differing access needs of health care providers, patients and visitors
- Thorough coverage throughout all areas including nurses' stations, waiting rooms, labs and surgical suites, patient rooms and even outdoor areas

A Variety of Wi-Fi Options to Meet Your Needs

Frontier's Wi-Fi network services are a convenient and cost-effective way for your medical practice or hospital to implement wireless connectivity.

- Managed, hosted and premised-based options for Wi-Fi provided by key leaders in the wired and wireless access industry.
- Financing options available (including no upfront capital outlay)
- Custom Wi-Fi network design and installation available
- Per-user download speeds customized to your specifications
- Multiple access options available to meet security requirements



By choosing Frontier, you can remain focused on health care and leave the rest to us. We have the experience and resources to take care of all your Wi-Fi needs, including:

- **Security** – Frontier will set up your Wi-Fi network to give staff, patients and authorized visitors the wireless access they need, without giving them access to your facility's main network.
- **Ongoing Support** – Our professionals will handle installation, provide support and monitor network performance 24/7.

Frontier Voice and Equipment Solutions

Frontier VoIP Services and Equipment

Frontier's Hosted VoIP is an affordable and feature-rich phone system that uses Voice over Internet Protocol (VoIP) technology.

The cost of calling is reduced by using the Internet for transmission instead of phone lines, and there are lower infrastructure investments and maintenance costs. Hosted VoIP services also bring health care providers more flexibility. Hospitals and clinics can easily connect remote employees and contractors as if they were working at the same physical site. It's also possible to adapt the phone system as circumstances demand, with calls being able to route to any hospital or health care worker's cell phone or hunt group until the needed party answers.

- With IP Trunking and Hosted (Cloud) VoIP services, Frontier has the VoIP solution that meets your needs.
- Save money and optimize network efficiencies by taking advantage of network convergence—Frontier's VoIP services are delivered over the same network infrastructure as is used to carry data and Internet traffic. With all your communications services on the same network, you'll eliminate much of the capital and resources needed to manage/maintain two separate networks for voice and data services.
- As VoIP is an IP-based application, you'll get great features and capabilities that aren't available with traditional phones services like soft-phones and Find Me/Follow Me services.

- In the event of a natural disaster, power outage or other disruption to your building(s), the Auto Attendant will manage your calls for you. With Mobile Twinning, you can still receive calls on mobile phones.

Frontier is Fully Equipped to be Your Single Provider

Your health care organization can streamline operations and improve efficiency when Frontier is your end-to-end provider for equipment, design, staging, configuration, installation, maintenance, management, network services and managed solutions:

- Seamless end-to-end voice, data and video solutions with one point of contact
- Partnerships with industry-leading equipment manufacturers and specialty services providers
- Manufacturer-certified field technicians and technical support
- Expert professional and managed services options
- Wide range of maintenance programs to fit your needs and budget
- Flexible financing options including options with no up-front capital investment

Further, Frontier's 100% U.S.-based technical support team can help free your staff from mundane IT tasks and troubleshooting that can waste time and energy they should be spending on patient care. And because Frontier's support team is locally based, they're more efficient and get you back on track more quickly and easily.

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