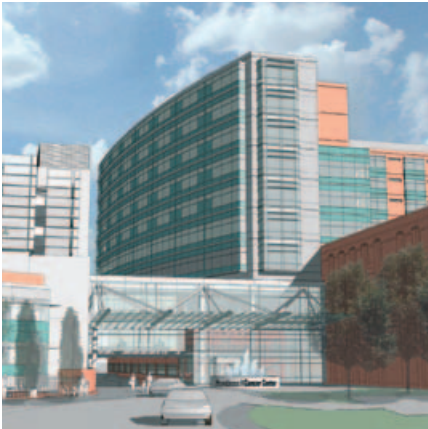




Healthcare

Healthcare Network  
Infrastructure: Solutions  
for Today and Tomorrow





## Providence Portland Medical Center, USA can support a new level of care with CommScope solutions

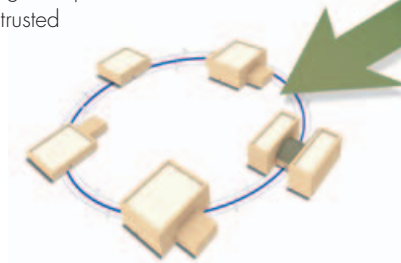
Providence Portland Medical Center, which is part of Providence Health Systems, is recognized for excellence in patient care and research in areas such as cancer, heart, orthopedics, women's health, rehabilitation services and behavioral health. In order to continue offering the very best medical care, Providence Health Systems saw the need to open a new cancer center for research and patient treatment. It was clear that the cancer center was in need of a 10 Gigabit solution that was fast, reliable and would support the center's future needs. The installer chose CommScope 10G copper and fiber solutions for its ability to meet and exceed the 10G Ethernet bandwidth needs of today's hospitals, including more demanding applications such as medical imaging and high-resolution video.

## Communication networks: What's at stake for your healthcare facility?

At the heart of every healthcare facility's communication network is one primary concern: the health and safety of its patients. When people's lives are at stake, there is a critical need for medical staff and families to access, acquire and share information quickly and reliably, in real time – all the time.

Yet ensuring secure, reliable, high-speed wired and wireless connectivity 24/7 in highly demanding healthcare environments comes with unique challenges. There are increasing data storage needs for Electronic Medical Records (EMRs); high-bandwidth files, such as X-rays, MRIs and ultrasounds; high-bandwidth applications like high-resolution video, video conferencing and SAN services that also require scalable functionality; rigorous healthcare regulations for devices and patient information...not to mention facility expansions that require network expansion.

Solving these challenges within your facility's budget may seem like it requires a surgeon's precision and skill – unless you have a trusted partner like CommScope.



### Staying ahead of growing healthcare network challenges

- Drive for electronic medical records
- Increased online bandwidth and storage requirements
- Growth in long-distance video services requiring high bandwidth and high reliability
- Wireless coverage throughout the facility
- IP consolidation and proliferation on your network
- Expanded IP connectivity needs
- Controlling costs while keeping up with evolving healthcare standards



### CommScope keeps your finger on the pulse of healthcare network infrastructure solutions

We believe there is a cost-effective way to connect your mission of helping patients with your mission-critical network services. Our long history of expertise and innovation across network infrastructure – broadband, enterprise and wireless – gives us unique insight into solving our customers' most complex network challenges, particularly in healthcare environments.

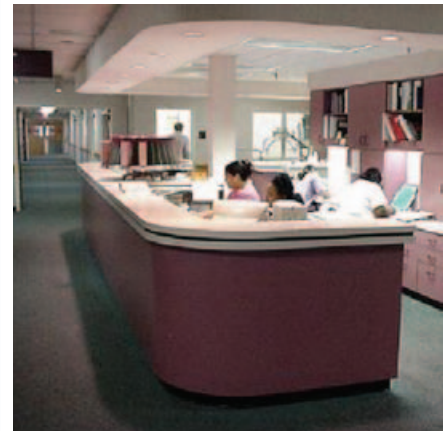
What's more, your facility can realize significant cost-effectiveness through cross-system efficiencies and performance offered by CommScope healthcare network solutions. (See Success Stories throughout this brochure).

Our healthcare network solutions have helped hundreds of healthcare facilities around the globe realize significant cost savings through cross-system efficiencies and performance.

For example, by implementing multiple systems like video surveillance, access control, voice and data communication onto a single, advanced IP infrastructure network, our solutions deliver enhanced efficiency, higher productivity, improved security, as well as increased comfort for patients.

### Why CommScope?

As a trusted advisor for networks around the world, we help you see the long-term, global view of healthcare solutions from every communication network perspective – broadband, enterprise and wireless. This gives you the insight to invest in the right technology today that grows with your network well into the future.



## Network Infrastructure Solutions from CommScope help **Wills Memorial Hospital** bring big hospital healthcare to smaller facilities

Working with Georgia Health Sciences Health System, Wills Memorial Hospital has developed services and techniques that are a model for hospitals of all sizes. At the heart of its administrative and medical systems is an upgraded network infrastructure with copper and fiber solutions from CommScope. By combining our LazrSPEED 300 fiber and Uniprise UltraMedia copper cabling, data transmission speeds were increased tenfold.

## How CommScope helps you protect patients and your network



### Hvidovre Hospital, Denmark is ready for future innovations with CommScope

With 725 beds, Hvidovre Hospital is one of Denmark's largest hospitals, treating over 40,000 in-patients annually. Its 35 departments also include the country's largest maternity unit with over 5,000 births a year. It is critical that all of the hospital's 3,500 staff are able to respond quickly when situations demand. To ensure its network is up to the job, Hvidovre Hospital keeps its cabling infrastructure up to the latest standards with CommScope solutions that include GigaSPEED X10D copper cables in the server room complemented by LazrSPEED multimode fiber, GigaSPEED XL outlets to wiring closets and, for long-distance campus connections, TeraSPEED single-mode fiber.

At the end of every day, healthcare facilities must focus on patient safety, reliable 24/7 communication networks and the bottom line. Best of all, when your organization invests wisely in the right communication infrastructure solutions, there are more resources available for investing in patient care, facility expansion and medical research.

Here's how CommScope wired, wireless and building automation solutions help you achieve these goals:



Support high-bandwidth files and applications with greater reliability 24/7 today *and* tomorrow.

Healthcare facilities must have wired and wireless infrastructure that can support the increasing demand of high-bandwidth data, video services, files and applications, such as telemedicine and telehealth, being stored on the network – many of which must be accessed in a heartbeat from a multitude of wired and wireless devices.

Our innovative SYSTIMAX® portfolio of intelligent infrastructure management delivers industry-leading performance and reliability that is ideal for mission-critical, high-bandwidth applications in healthcare environments today and for the future.

- Support the latest 10 Gigabit Ethernet requirements for high-bandwidth applications such as 3-D X-ray diagnostics, telemedicine and remote consultations with the SYSTIMAX GigaSPEED X10D Solution, engineered with enhanced cable and connector performance. Provide high-performance 10G connectivity throughout all of your buildings for a high level of 'future proofing' to all the connected systems.
- Install new generations of more sophisticated equipment over many years to come while supporting high-bandwidth applications. CommScope will help make 40G and 100G solutions a reality.
- Implement a single integrated network, ensuring a faster, more easily managed installation.
- Manage the operational network more securely and efficiently with centralized active components and patching hardware.

Ensure reliable connections across devices anytime, anywhere, all the time.

Whether a doctor is downloading an X-ray to an iPad, an EMT is communicating via a First Responder radio, or a patient is talking to loved ones on a mobile device, a reliable connection is critical. First responders need reliable radio communication to ensure their safety and the safety of those around them. And your employees as well as your patients and their families expect their mobile devices to work as well or better indoors than they do outdoors.

CommScope **in-building wireless solutions**, designed to address the indoor coverage needs of wireless wide area networks, ensure that a reliable connection is provided on any wireless device. This allows healthcare facilities to:

- Provide cellular coverage throughout the building, including in stairwells and elevator shafts.
- Ensure that First Responder radios work throughout the facility.

Our **Wired for Wireless® Solution** is a carrier-neutral infrastructure solution that enables mobile communications inside buildings – eliminating dead zones and spotty coverage. The Wired for Wireless Solution’s unique, structured design makes wireless coverage inside buildings more cost-effective because it:

- Simplifies the installation process.
- Deploys coaxial cable and antennas throughout a building during the construction phase, eliminating the need for costly site surveys and customer network designs.

The solution’s design includes coaxial cables, connectors, antennas and cable management apparatus connected together in such a way as to provide a blanket of wireless coverage throughout an entire building. Designed with your future in mind, the Wired for Wireless Solution will help you meet your evolving indoor wireless needs for years to come.

### Ensure compliance with HIPAA regulations

Data security is a priority for any organization, but healthcare facilities must also meet compliance with governmental regulations that ensure the integrity of private health information, such as the Health Insurance Portability and Accountability Act (HIPAA). Compliance must be delivered as standard, ensuring the confidentiality, integrity and availability of private health information.

CommScope’s intelligent solutions, such as iPatch and iPatch System Manager, part of our SYSTIMAX portfolio, gives more peace of mind to IT managers and CIOs with the ability to:

- Track which device accesses which services and whether any unauthorized patching activities have taken place.
- Generate audit trails in the case of security breaches.
- Receive real-time information via instant notifications and automated reports (scheduled and customizable) of all activity.

iPatch and iPatch System Manager also help you reduce maintenance required on the network:

- Provides instant documentation of what is deployed.
- Generates easy-to-follow work orders when a change to the network is required.
- Makes it easier to manage remote sites by allowing non-IT personnel to implement connectivity moves, adds, and changes with electronic work orders and advanced guidance features.

### Ensure your installation adheres to TIA-1179

Additionally, your networks should follow TIA-1179, which provides the new design, installation and construction standards for communications cabling for all healthcare facilities. With limited time, budget and resources, it’s important that your facility meets this standard with the most cost-effective, proactive solutions – intelligent solutions designed to meet the specific demands and challenges of a healthcare environment.



### CommScope helps All Children's Hospital, USA satisfy mission-critical standards

All Children's Hospital in St. Petersburg, Florida, has been a safe haven for pediatric patients since 1927. All Children's Hospital needed a cabling solution that specialized in "mission-critical" situations in its new nine-story, state-of-the-art facility. All Children's Hospital chose CommScope copper, coaxial, and fiber-optic cabling solutions to complete the hospital's extensive network infrastructure.



## Western Health, Australia

Western Health is the major provider of acute health services in western metropolitan Melbourne. To meet growing demand, Western Health constructed two new buildings on its Sunshine Hospital campus in Melbourne's St Albans district. As in all healthcare facilities, the network infrastructure in the new buildings is critical to their success.

When the team at Lanec, a Melbourne-based CommScope Prestige BusinessPartner, studied the requirement, they proposed a different solution: use SYSTIMAX structured cabling solutions to build a single infrastructure able to serve all the systems. By making connectivity a 'fourth utility', alongside electricity, water and gas, the cost and complexity of many separate cabling installations was avoided.

## Deliver critical care and manage networks with greater time and cost efficiency.

Most buildings have multiple low-voltage systems – everything from security and lighting to HVAC and communications – each requiring its own control, management and monitoring. It's expensive to operate this way.

That's why many facilities now implement a common infrastructure for their traditionally disparate networks. CommScope helps you deploy widespread building automation services over structured cabling to deliver healthy benefits for you and your facility's patients, including improved cross-system performance, increased cost efficiencies, and more resources for delivering healthcare instead of managing networks.

Our clients also appreciate CommScope's industry-leading 20-year warranty, which covers our solutions and the applications. It's extra assurance that the investments you make in our solutions today protect your facility tomorrow too.

**We focus on supporting your network so you can focus on delivering healthcare.**

## Put our healthcare facility design and management expertise to work for you

Take advantage of our network infrastructure product knowledge, advanced services-based skills, global support and renowned reliability. Our design and project services for the healthcare market include:

- AutoCAD® plan drawings
- Bid/tender administration
- Codes and standards review
- Configuration services
- Construction administration
- Design compliance
- Infrastructure design consulting
- Inside and outside plant design
- Intelligent infrastructure solutions
- IP network design
- Network planning and design
- Project management

## Stay ahead of every technology curve with CommScope network infrastructure training

Boasting a comprehensive range of learning resources, the online CommScope Infrastructure Academy keeps you and your team on top of evolving network infrastructure solutions, trends, and technology – an important resource for any organization.

## Reduce your energy consumption and consolidate existing resources

Our solutions can help your healthcare facility minimize energy consumption and long-term waste through products that last more than 20 years, integrated solutions that run on one network, and unparalleled vision and control to more efficiently manage existing resources.

## Rely on the same high level of service, support and quality around the globe

Our solutions are sold in more than 130 countries worldwide and are supported through our global network of trained and certified BusinessPartners. No matter where you are located, CommScope delivers the right solution, with consistent, one-source product quality driven by technology leadership and our commitment to R&D investment.

## Rest easy with our 20-year extended product warranty and applications assurance

Because we have such high standards for performance and reliability – and understand that the right network infrastructure is essential to the successful operation of healthcare facilities – we stand behind our products and applications, including voice, data, video and building management, for 20 years.

## Why CommScope for your network?

We have a long history of designing and engineering innovative infrastructure solutions that help our customers overcome even the most complex network challenge. Our expertise spans virtually all of the world's communication networks – broadband, enterprise and wireless – and we channel this unique perspective to deliver solutions that prepare your network for every technology that the future may bring.

To learn more, visit [www.commscope.com](http://www.commscope.com) or contact your local CommScope distributor today.



## CommScope helps SevenHills Hospital, India, deliver high-quality, affordable healthcare

The new SevenHills Hospital facility is one of the largest and most advanced in Asia. Set in a 17-acre landscaped site in central Mumbai just 3 kilometers from the airport, the 20-million-square-foot hospital has more than 15,000 network outlets supporting its advanced medical and management systems.

Choosing a network infrastructure supplier was a key part in planning the advanced information technology that is essential to deliver high-quality, affordable healthcare. SevenHills wanted the best possible combination of reliability and performance together with capacity to handle growing network traffic. Many of the systems supported by its network are mission critical and some are life critical.

The company was already using SYSTIMAX structured cabling from CommScope at its other hospital in Visakhapatnam. At this location, SYSTIMAX copper and fiber solutions had replaced infrastructure from another supplier and proved they could meet the needs of complex, critical systems. When decisions were made on infrastructure for the nine-floor building with two basements and 16 blocks at the new Mumbai hospital, SYSTIMAX solutions were top of the shortlist. A deciding factor in their favor was the iPatch intelligent infrastructure solution.

## **We're proud to be a part of your network's story.**

Here at CommScope, we embrace our role as a trusted resource, partner and facilitator. We create the infrastructure that connects the world and evolves with every advance in technology. By investing all of our capabilities, resources, relationships, and products into your toughest challenges, we continue our long history of solving problems together – paving the way for new ideas and fresh ways of thinking. We're a trusted resource and partner around the world because we're invested in you: your people, your networks, your success. It inspires us to build relationships and infrastructure...connect people and technologies across protocols, oceans, and time zones...and share what we learn along the way. We'll never stop connecting and evolving the business of life at home, at work, and on the go. This is our promise to you. This is CommScope.



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