

SUCCESS STORIES 

Healthcare

Transforming the modern healthcare
industry with smart network solutions



STATISTICS

The healthcare industry increasingly relies on advanced network equipment and robust cybersecurity protection to optimize operations and improve care quality.



22% CAGR

WiFi device shipments will grow between 2023 and 2028

(Source: ABI Research)



2.69 billion

people are expected to use digital health by 2029

(Source: Statista)



US\$ 9.77 million

is the calculated average cost of healthcare data breach

(Source: Cost of Data Breach Report, IBM)

Smarter Healthcare

Reliable networking, robust cybersecurity, and AI-driven cloud intelligence are vital to transforming healthcare organizations into smart facilities.



- ◆ Greater personalized care
- ◆ Requiring easy connections with loved ones



- ◆ More connected devices
- ◆ Using advanced medical tech for better patient care



CHALLENGES



Bandwidth Demand

Optimize network traffic to support data transfer and visitor connectivity



Reliable Networks

Ensure seamless connections for medical devices and patient care



Cybersecurity Protection

Protect patient data and medical records from growing cyber threats



Wireless Solutions

The roaming service ensures smooth access to patient data and imaging across wards. QoS settings and smart antennas optimize bandwidth usage and WiFi signals, enhancing medical services, especially in high-traffic areas.

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Cybersecurity Solutions

Zyxel Networks firewalls provide multi-layered protection, including encryption and web filtering. The AI-powered cloud reporting tool, SecuReporter, simplifies security monitoring and enables proactive threat management.

[Learn more](#)





NEBULA SOLUTION

Easier, Smarter Way to Manage Your Network

Nebula cloud networking solution makes it easy to set up reliable and high-performance networks, ensuring smooth and secure healthcare operations.

[Learn more](#)



**High visibility for
easy monitoring**



**Reduced network
troubleshooting**



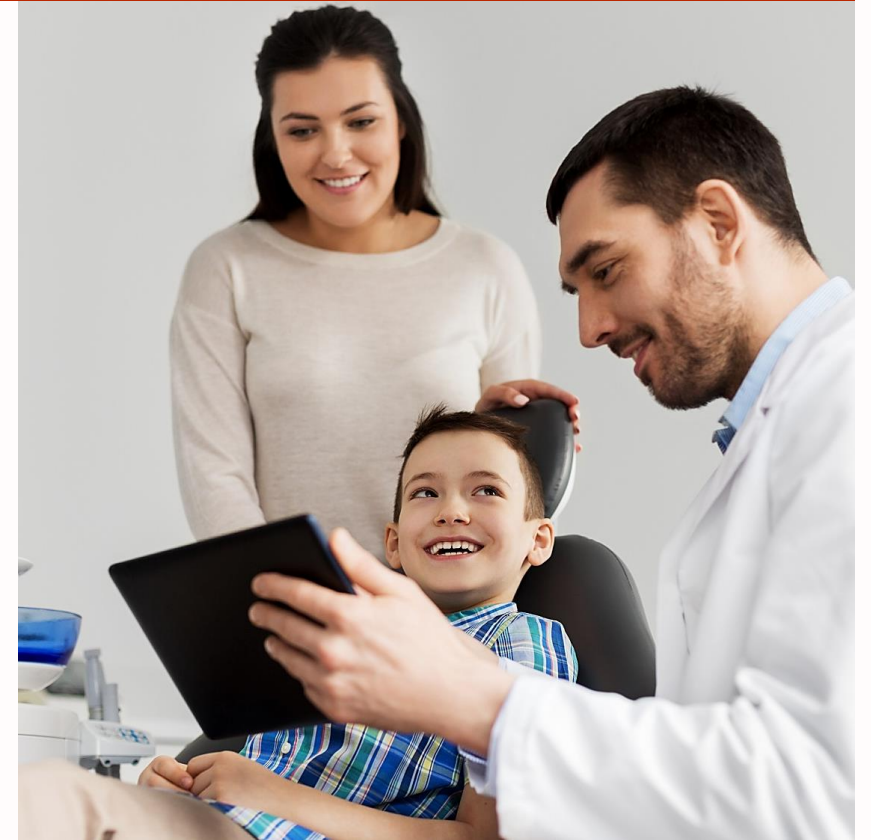
**Scalable, futureproof
network for expansion**

BENEFITS

HOSPITAL

Seamless connectivity for medical devices like anesthesia systems and tablets ensures uninterrupted operations. Zyxel Networks provides reliable network access, driving the success of medical practices.

- ✓ **Fast access to smart medical devices**
- ✓ **Seamless connectivity without interference**
- ✓ **Secure guest WiFi for visitors and staff**



BENEFITS

CARE HOME



Reliable, high-speed, secure network access enables seamless staff communication and video calls. Zyxel Networks manages growing network demands, saving time and costs for IT staff as facilities expand.

- ✓ **Greater personalized care for residents**
- ✓ **Better tech for staying connected with loved ones**
- ✓ **Higher operational efficiency**



CDT Medicus, Poland

Ensuring Higher Security and Bandwidth at Polish Medical Center



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“Zyxel Networks' solutions made implementing a secure, fast, and reliable wireless network easy. This is important for a medical service provider like ourselves. Basing the network on Zyxel Networks' devices enabled full integration, streamlined management, and simplified the detection of irregularities.”

Kamil Stefański
IT Manager
MEDICUS Diagnostic and Therapeutic Center



DRK Oberberg, Germany

Installing Networks Devices Without Need of On-site Help



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“This comprehensive network solution has helped us establish LAN connections between workstations and enabled WiFi access for mobile devices. A special highlight is the integrated hotspots, which make it possible to build an internet connection on the go.”

Johannes Ufer
Press Spokesman
Emergency Services, DRK Oberberg



El Manantial Residence, Spain

Making Retirement Home Seniors Stay Connected with Families



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“There’s now stable coverage throughout the facility, ensuring the quality of video calls on different devices simultaneously. The new network allows residents, their families, and healthcare professionals to access the internet and to communicate with each other with crystal clear video and audio quality.”

Esther Arozamena
General Manager
El Manantial Residence



Malteser International, Germany

Supporting the Healthcare Subsidiary's Philanthropic Future

"The new network makes our existing work processes easier, faster, and—therefore—more efficient."

Rainer Faust
Manager
Malteser Obertshausen Subsidiary



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Monsignor Luigi Biraghi Institute, Italy

Making Strong Connections for Both Networks and People

“The pandemic has taught us to evolve in many ways, including on the technology front, to guarantee a smile to those who are far from their loved ones.”

Alessandra Della Pietra
Project Coordinator
Monsignor Luigi Biraghi Institute



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Muğla Milas 75th Yıl State Hospital, Turkey

Embracing Digital Transformation and Boosting Efficiency



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"Thanks to Zyxel Nebula cloud networking solution, we are well-prepared for today's and tomorrow's network requirements. We appreciate Zyxel Networks helping us provide high-quality service to patients in our hospital."

Dr. Tarık Çubukçuoğlu
Surgeon General
Muğla Milas 75th Yıl State Hospital



Nazilli State Hospital, Turkey

New Network Brings Happier Staff and Better Hospital Care



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“The project was completed in a short time and meets our needs of not only today but also tomorrow. We’re very pleased with the strong network, and thank Zyxel Networks for their support.”

**Dr. Gunhan Turhan
Chief Physician V.
Nazilli State Hospital**



Aydin Ataturk State Hospital, Turkey

Hospital's Networking Diagnosis Needs Cloud Prescription



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"Zyxel Nebula cloud networking solution is just what our hospital needed. With Nebula, we can reconfigure and control all network devices 24/7 from anywhere, making it infinitely more manageable."

Op. Dr. Niyazi Kocakaplan
Chief Physician
Aydin Ataturk State Hospital



Chang'an Elderly Care Center, Taiwan

Enhancing Care and Connections for Elderly Home with Better WiFi



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"For an elderly care facility providing 24-hour service, stable internet is crucial. Previously, we often encountered unstable connections and slow speeds. With the new equipment, work efficiency has greatly improved, and communication between residents and their families via video calls is now much smoother."

Bo-Ju Chen
Director
Chang'an Elderly Care Center



Dementia Center in Ścinawa, Poland

Securing Sensitive Data in Polish Medical Facility



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Healthcare facilities need reliable networks to ensure quality services and data security. For the Dementia Center in Ścinawa, challenges like lacking cabling and the need for high-speed, secure connectivity were addressed by implementing a fiber-based network with star topology. The result is a seamless, easy-to-manage infrastructure that safeguards patient data and supports smooth operations across departments.



Diamond Physicians, USA

Enhancing Network for Growing Concierge Medical Group

Diamond Physicians encountered network challenges after expanding its office. Zyxel Nebula cloud networking solution revitalized its network, delivering fast, reliable, and scalable connectivity. Since network issues can be quickly spotted and fixed before affecting day-to-day use, its team can devote itself to providing the best care possible.



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General Hospital in Pyeongtaek, Korea

Ensuring Hospital's Reliable WiFi and Robust Security

In the newly built general hospital in Pyeongtaek, the mobile EMR system required a WiFi network upgrade for smooth operations. Zyxel Networks' comprehensive solution provides uninterrupted WiFi connectivity for staff and visitors across the premises while ensuring robust cybersecurity protection for both hospital staff and guest users.



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Martha Flora, the Netherlands

Enhancing Lives with High-Speed Networks at Dutch Care Center



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The Martha Flora care center helps residents with dementia live more independently by offering reliable internet, TV, and phone services. However, growing demands overwhelmed its network, causing security and connectivity problems. After upgrading to a high-speed, secure network, the center now provides seamless streaming, device connectivity, and video calls, improving life for residents and efficiency for staff.



ProDentist, Poland

Elevating Network Protection and Efficiency at Polish Dental Clinic



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ProDentist considered the integration of its cloud-based medical system with the on-site database application while ensuring compliance with GDPR. Zyxel Networks' solutions provided robust protection, seamless communication, and secure integration with critical devices such as anesthesia systems and dental radiographs. Smart managed switches improved traffic management, and encrypted VPNs ensured reliable remote access for medical staff.



Suwon Hospital, Korea

Discovering Remedy to Cure Unstable Wireless Connectivity



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The hospital aimed to deliver high-quality WiFi to its customers and staff but struggled with unstable access due to reliance on wireless routers. After redesigning its network, it improved WiFi quality in high-traffic areas and implemented robust security measures to separate public and private networks. The result is seamless, secure connectivity that safeguards data and privacy for all users.



Zangiota State Hospital, Uzbekistan

Getting Uzbekistan Hospital's Network Up and Running



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The hospital required a unified, high-speed network to support its IT systems and medical equipment, with data rates of 1 to 10 Gbps. Speedy delivery, reliability, and local support were critical. With Zyxel Networks' solution, the network was launched on time, connecting three buildings securely and enabling efficient management on a unified platform.



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