Ankara Kecioren Education and Research Hospital

Turkish Hospital Stands Ready for Today and Tomorrow with Futureproof Network

ZYXEL
NETWORKS

Customer at a glance

Customer Name
Ankara Kecioren Education and Research Hospital

Industry
Healthcare

Organization Size
30,000m^2 site with 337 doctors, 746 personnel, and 5 clinics

Country
Turkey

Customer Background

Ankara Keçiören State Hospital's Education and Training Center, put into service in 2005, is Turkey's largest district research hospital. Equipped with top-tier medical equipment and medical professionals, the hospital offers a wide array of in- and out-patient services, from emergency treatment to family medicine to surgery.

"We've been working with Zyxel Networks for years and have accomplished many successful projects together. We're very pleased to work with such a leading company in its field, especially as their technical support is second to none and always available when we need it. Zyxel's marketing and sales training and support also set it apart by really enabling us to develop our competencies and thus get a strong position in the health care industry. And of course, most importantly, its solutions deliver high network performance and internet access speeds. In the hospital's case, we've helped it increase its work efficiency and provide uninterrupted health care services."

Yalcin Perktas
Dugan Computer

Summary

The hospital was planning to upgrade its network to address the increasing number of visitors and connected devices, which were exacerbating existing data-processing and capacity problems. The upgrade would prepare the hospital for the health sector's ongoing digital transformation, from robot-performed surgery to digitally aided diagnoses. Partnering with system integrator Dugan Computer, the hospital deployed an army of Zyxel's network switches and access points to deliver speedy, site-wide wireless powered by futureproof infrastructure. The WAC6103D-I 802.11ac APs that were installed have adjustable antenna patterns fit for ceiling- or wall-mounted scenarios, delivering reliable connectivity throughout the institution. The XS3700-24 switch provides secure access protection and uninterrupted business continuity with 10G speeds, while the GS2210 Series switch provides an agile communication infrastructure supporting various applications like VoIP and IPTV videoconferencing. All equipment and network devices are being managed from a single point through the centralized network infrastructure. The centralized network structure provided by the NXC5500 WLAN Controller is invaluable, providing the flexibility and scalability to address WiFi distribution problems and support an ever-growing number of devices.

Challenges

- Create a high-performance network for a large number of clinics and business units with a high density of staff and patients
- Support increasing needs for stable, high-capacity network from devices connected to the hospital data-processing network
- Ensure network is secure enough to protect patients' data and is easily controllable

Benefits

- Site-wide WiFi allows smooth and seamless network access and data process
- Efficient medical and corporate workflows thanks to network prioritization, simplified management, and flexible network infrastructure
- Greater security via separate internet services for hospital staff and patients
- Network can be managed by staff easily and all from a single point

Product used

- XGS2210-52 L3 Access Switch
- GS2210-48HP/52HP L2 Managed PoE Switch
- WAC6503D-S/WAC6103D-I 802.11ac Access Point
- XS3700-24 L2+ Managed Switch
- NXC5500 WLAN Controller