

# Samara State Medical University

## Samara State Medical University Upgrades Network with Latest WiFi 6 Technology

### Customer at a glance



**Customer Name**

Samara State Medical University



**Industry**

Education



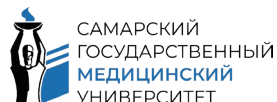
**Country**

Russia



### Customer Background

Founded in 1919, Samara State Medical University is one of the largest and most respected medical universities in Russia. Today, more than 9000 people study and work at the Samara State Medical University. The computer equipment park includes more than 2000 pieces of equipment. The buildings of the educational institution are located in different parts of Samara city and are connected via dedicated communication channels. To foster the development of modern education and keep ahead of their competition in the world, SamSMU made a decision to equip the educational buildings with a top-notch high-speed wired and wireless network that can be integrated in the existing network.



### Summary

The leading Russian university's administrative building needed to provide access to visitors and required new equipment to prevent overloading the existing network. The university's goal was to create a single, resilient wired and wireless infrastructure. One of the key elements of building a digital campus is a wireless network based on the latest WiFi 6 technology.

Zyxel's products along with the products from the world's largest network equipment company were sent for testing. The system administrators of Samara State Medical University indicated that Zyxel Networks was chosen because their products met all the requirements for stable operation of access points, the possibility of easy integration into the existing network structure, all connection schemes were clear, and configuration and management of access points did not cause any problems. Last but not least, competent technical support and accessible technical documentation helped seal the deal. The centralized network management system allowed SamSMU IT specialists to remotely monitor and configure various components and network segments effectively and easily. With this successful installation, the university decided to expand Zyxel's solution to all buildings of the university.

### Challenges

- Existing network infrastructure could not support a large number of users at once
- The network made it difficult to enable user authorization using domain accounts
- Looked for products enabling fault tolerance, seamless user switching, large-area coverage, deployment of multiple SSIDs, VLAN support, and integration into existing IT infrastructure.

### Benefits

- Seamless WiFi network coverage that is centrally-manageable via a single, wired and wireless network in the entire administrative building
- Dynamic load balancing for optimized resource management
- Easy network management without constant monitoring from IT staff

### Product Used

- Zyxel WiFi 6 access points