LODE

Leading Belarus Medical Center Creates Failure-proof and High-efficiency Network Across Branches

Customer at a glance

Customer Name
LODE

Industry
Healthcare

Country
Belarus

Customer Background

Founded in 1992, LODE is one of the most famous medical centers in the Republic of Belarus with 11 branches in Minks, Brest and Grodno. With more than 2000 employees and 300 workstations, the medical center provides services including diagnostics, dental, medical, pediatric, surgical services and in vitro fertilization.

"When choosing the equipment, it should be easy to configure, support stacking and channel aggregation, and have sufficient bandwidth for our tasks. Of course, the combination of price and quality is also essential. Among the four global manufacturers in the tender, we chose Zyxel's solution because it fits our requirements perfectly, and we're happy with the result. In addition, we already had a positive experience with Zyxel Networks, so we have high trusts in its products and services."

Dmitry Bezyma
Head of IT Department, LODE

Summary

LODE faced with poor fault tolerance and scalability of its network infrastructure. The existing network infrastructure was unstable and suffered from a low network speed of only 100Mb/s. The company's management decided to completely modernize the network to support ongoing development. Dmitry Bezyma, head of the IT department indicated that the new system should be scalable and provide high throughput as well as have high fault tolerance. The company's new system was constructed with Zyxel security gateways, VPN firewalls, smart managed network switches and access points, ensuring network scaling and stability. The security gateways and firewalls feature high-efficiency VPN tunnel and load balance/failover technologies, ensuring strong VPN reliability and security for business. The company also adopted 4G LTE Indoor Routers as backup in case main connectivity failed. The whole project took three weeks and was implemented by two people. The company was happy with the easy installation and professional service from Zyxel Networks. The new solution made it easy to connect to a new branch at higher speeds and provide smooth WiFi to multiple devices with low latency. For example, it only took two seconds to transfer 20GB data to the storage system.

Challenges

- The existing infrastructure was not scalable and suffered IP address pool shortage
- The equipment was unstable with frequent failures and not centrally managed
- To renovate outdated network with low speed of 100Mbps and increase its bandwidth

Benefits

- Reliable and scalable network infrastructure that can support its growing demands
- Centralized network management and redundant system structure to ensure continuous operation and responsive failure recovery
- Enhanced bandwidth to ensure high-speed and smooth data transfer
- Best price-quality ratio along with responsive professional IT supports

Product used

- XS3800-28 L3 Managed Switch
- GS2210 Series L2 Managed Switch
- GS1920 Series Smart Managed Switch
- GS1200-8 Web Managed Switch
- USG110/310/1100 Unified Security Gateway
- NWA5123-AC HD/NWA1123-ACv2 802.11ac AP
- LTE3202 4G LTE Indoor Router