29 Mayıs Bornova College

Zyxel Networks Helps Turkish College Realize Uninterrupted and Safe Hybrid Education

Customer at a glance

Customer Name
29 Mayıs Bornova College

Industry
Education

Country
Turkey

Customer Background

29 Mayıs Bornova College, established in İzmir, is composed of four campuses providing preschool, primary, secondary and high school education. The college is equipped with laboratories, library, music, painting workshops and a gym.

29 MAYIS
EĞİTİM KURUMLARI

"The support provided by Aybiltech Bilişim before and after sales is very appropriate. We plan to work with them for our new projects and prefer to use Zyxel's products."

Bilal Selçuk BİRİCİK
General Coordinator
29 Mayıs Bornova College

Summary

Transitioning to hybrid education was a unique challenge for the college. The existing network was prone to disruptions during distanced learning and prompted the school to upgrade the entire infrastructure. The school enlisted the help of Zyxel Networks to modernize its network infrastructure, allowing students to access learning materials on campus or at home. The new network needed to provide enough bandwidth for high-quality and low-latency multimedia streaming. Zyxel's top-notch ATP firewall is used to safeguard cybersecurity, manage VLAN and works as an AP Controller. The GS4600-32F switch features dynamic routing and simplifies complex networks. The powerful GS2220 switch features advanced traffic control that provides greater agility and more effective traffic management. Designed with dual-optimized antenna, Zyxel WAC6103D-I access points were deployed to reduce inter-floor interference. The AP supports combined data rates up to 1.75Gbps and advanced load balancing and smart-client steering technology. Thanks to Zyxel's high-performance wireless solution, the school upgraded the problematic network and now offers high-quality distance education for all four campuses.

Challenges

• To upgrade the unstable network that was disrupting distance education
• To increase network performance and provide enough bandwidth to support quality and low latency multimedia streaming

Benefits

• Zyxel smart managed switches optimize traffic management with lower latency
• ATP800 Firewall safeguards the school with the latest network security technology
• Dual-optimized access points provide high-quality WiFi experiences through high-speed and uninterrupted connectivity

Product Used

• ATP800 ATP Firewall
• XGS4600-32F L3 Aggregation Fiber Switch
• XGS2210 Series L3 Access Switch
• GS2220 Series L2+ Managed Switch
• WAC6103D-I 802.11ac Access Point