



## Success Story

### Zyxel Turns the Tables on Turkish Furniture Company with Wireless Network Upgrade



SMB

INDUSTRY



CUSTOMER

AGT



REGION

Turkey



SOLUTIONS

Zyxel  
wireless  
solution

## Overview

### Challenges

- Provide wireless connectivity to company headquarters
- Multiple floors and rooms in the company's building and production facilities create wireless signal barriers
- Solution must be secure and stable

### Benefits

- Rapid deployment and trouble-free communication support thanks to easy installation features
- Quick connection facility despite a high level of access request
- Stable and fast Internet access
- Future-proof for eventual expansion and growth

### Solutions

- Wireless LAN Controller
- 802.11ac Dual Radio External Antenna 3x3 Outdoor Access Point

"AGT is a company with success potential beyond Turkey in the field of furniture components. We require a good technology partner for both advancing our business operations and providing faster service to our customers. At the end of our research, we found Zyxel products and Zyxel's business partner KBG Information. We knew that we had made the right decision by the end of the project, which was successfully completed within a very short period of time, in line with our requirements. Thanks to all those who contributed."

Mehmet Büyükkeskin  
IT Manager, AGT

## Background

Founded 1984 with the dream of processing and developing customized wood products for individuals as well as companies through its development technology, AGT is today one of the world's largest and most successful companies in the field of furniture components. AGT provides services to the furniture and interior decoration industry. It also supplies the construction industry with parquet, door, wall panel, and skirting board production from its state-of-the-art production facilities, which span 400,000 square meters on a field in the Antalya Organized Industrial Zone.



## Challenges

Demand among Internet and network users in the workplace for fast, stable, and strong connectivity continues to grow. This is especially true in buildings like hotels, schools, dormitories, and hospitals where connections must be shared among multiple employees across numerous rooms, corridors, and floors. Such wireless network infrastructures must be strong enough to provide reliable service during work-critical operations, which is why the new wireless infrastructure at AGT was established using Zyxel products.

AGT worked with KBG Information, a Zyxel business partner, to assess some of the key challenges presented by the project. The most obvious obstacle was the sheer size and complexity of the facility being serviced. Walls and floor levels create barriers that can impede wireless signals, resulting in weak signals, dead spots, and unstable connectivity. The client needed a robust and reliable network to maintain work flow among employees connecting to the network via handheld terminals.

## Solutions and Benefits

After Zyxel specialists performed an extensive analysis to determine the company's data security and Internet sharing requirements, they began planning a new infrastructure using cutting-edge products and peer-to-peer network solutions provided by Zyxel. KBG Information, a member of the ZyPartner business partner program, created the solution around the Zyxel NXC5500 WLAN controller, which provides the backbone for an easy-to-

manage and scalable wireless network. Not only would this meet the client's current needs, it could be expanded as the company grew. Wireless signals are now carried to employees via several WAC6553D-E 802.11ac Dual Radio External Antenna 3x3 Outdoor access points, boosted by ANT3315 and ANT2105 wireless antennas, for complete coverage of the AGT manufacturing facility.

## Products Used

### WAC6553D-E • 802.11ac Dual Radio External Antenna 3x3 Outdoor Access Point



- Designed with IP66-rated weather protection which is ideal for harsh outdoor environments
- Advanced IEEE 802.11ac delivers up to 1.75 Gbps combined data rates
- Industry-leading receive sensitivity as low as -102 dBm
- APFlex™, and DCS streamline deployment
- Zyxel One Network is supported

### NXC5500 • Wireless LAN Controller



- Centralized WLAN management and auto provisioning
- Manages up to 512 APs with granular access control
- ZyMesh simplifies complex, inconvenient cabling Wi-Fi Deployments
- Comprehensive features for WLAN performance optimization and always-on Wi-Fi connectivity
- Wireless LAN performance optimization via dynamic channel selection and load balancing

## About Zyxel Communications

Focused on innovation and customer-centricity, Zyxel Communications has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. Zyxel, Your Networking Ally.

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