



Success Story

Zyxel Gives Turkey's Biggest Logistics Center a Network to Match



Logistics



Ankara
Logistics Base



Turkey



Zyxel
Security &
Switching
Solution

Overview

Challenges

- Implement a new network management system to handle the heavy data flows on the recently installed fiber-optic cabling
- Provide a security solution to protect the sensitive information of the 400 companies operating on the site
- Provide secure network connectivity and coverage to 198,000-square-meter facility

Benefits

- Non-stop operation ensured by no-single-point-of-failure switch design
- Unified security gateway provides reliable VPN connections
- Switching solution gives administrators more agility to shape and optimize traffic

Solutions

- Zyxel Switching Solution
- Zyxel Security Solution

"We'd implemented a fiber-optic network, but we still needed infrastructure that would provide internet access to all offices and ensure the security of the traffic. We chose Zyxel and were very pleased with its products as well as our work with Zyxel's business partner Aybiltech. I sincerely thank both companies."

Alper Gündüz
Board Chairman, Ankara Logistics Base

Background

Everything about Ankara Logistics Base is big. Founded in 2004 by 45 international transport businesses, it spans 398,000 square meters, supports 2,500 on-site employees, and sees 1,200 trucks coming and going every day. The base's core business? Leasing depot, warehouse, office, and other space to domestic and international logistics firms, importers, exporters, and government agencies.

Turkey's placement at the nexus of Asia and Europe gives it rich potential to become a transcontinental epicenter of trade and logistics, according to the base's chairman, Alper Gündüz. "Ankara Logistics Base provides services for the transit and domestic logistics needs of 400 companies," he said, emphasizing that the site is rare in the region for its European-level standards.

Challenges

"We'd been very proactive in implementing end-to-end fiber-optic cable infrastructure to provide high-speed internet to all public and private organizations operating in the base," Alper said. However, he noted, the base had been in need of two critical components.

First was core networking equipment that could unify and manage the existing fiber-optic cable networking. To succeed, logistics businesses require precise time and work management, which in turn requires always-open communication channels.

Second was a security solution that would protect the network itself while also ensuring the security of its users and their data from cyberattacks. As transnational firms moving valuables over vast distances, the companies operating at the base are potential targets of various crimes, from industrial espionage to ransomware as well as real-life hijacking, all of which makes it even more critical that their sensitive information not be compromised.

Solutions and Benefits

Aybiltech, a top Zyxel regional partner and one of Turkey's most respected system integrators, was on the case. It developed a network integration solution comprising two of Zyxel's most powerful switch products.

One was the **GS2210-24HP Gigabit switch**. With its rich L2 feature set, the access switch shapes traffic for diverse VoIP, video conference, IPTV, and IP surveillance deployments, giving businesses like Ankara Logistics Base greater agility and more effective traffic management. The other was the **XS3700-24, a 24-port, 10-Gigabit L2+ switch** whose no-single-point-of-failure hardware and software design provides the resiliency needed for non-stop business operation.

Finally came the security solution: the **ZyWALL USG1100 Firewall**. The unified security gateway uses Secure Hash Algorithm 2 (SHA-2) support to ensure safer, more reliable VPN connections while its Cloud Helper service ensures you stay up to date with the latest firmware to fend off emerging threats.

It was a satisfying project for Aybiltech GM Selçuk Ayhan: "With our work complete, all of the internet traffic distributed by the fiber-optic cables now travels via Zyxel devices," he said. "And, thanks to the firewall infrastructure we've implemented, we're protecting the entire site against cyberattacks."

Products Used

ZyWALL USG1100 • Next-Gen Unified Security Gateway Extreme Series



- UTM Firewall for medium- and large-sized businesses and campuses
- Anti-malware protection with Anti-Virus, Anti-Spam, Content Filtering 2.0, IDP, and Application Protocol
- Patrol and SSL inspection
- Robust SSL, IPSec, and L2TP over IPSec VPN connectivity and VPN High Availability (HA)
- Unified security policy
- Device HA Pro ensures smart handover
- Hotspot management supported

XS3700-24 • 24-Port 10 Gigabit L2+ Switch



- Flexible 10 gigabit connectivity with 12 SFP+ ports, eight 10G BASE-T ports, and four SFP+ combo ports
- Layer-2 plus feature set equipped with static and policy-based routing as well as VRRP
- Hot-swappable power supply and fan modules
- No-single-point-of-failure hardware and software design
- Future-proofed with IPv6 support
- Comprehensive security features to ensure network availability

GS2210-24HP • 24-Port Gigabit L2 PoE Switch



- High power budget of 375 W
- L2 multicast, IGMP snooping, MVR, and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, and CPU protection
- L2, L3, and L4 filtering, MAC freeze, port isolation, and guest VLAN for improved isolation and access control

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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