



Success Story

ZyXEL Connects French Media Company with Wireless Network Solution at Cannes Film Festival

"I use ZyXEL solutions to build networks in often extraordinary circumstances. In Cannes, this means deploying and securing a wireless network for over 15 days and nights, catering to teams that shoot and broadcast their programs, as well as for VIPs who wish to access the Internet. Under these conditions, I particularly appreciate the reliability and robustness of ZyXEL equipment."

Marc Tayar
IT Director of KM Productions

Overview

Customer Name

KM Productions

Customer Industry

Media and Entertainment

Challenges

- Set up wireless network for video production during high-visibility international film festival
- Provide indoor/outdoor Internet access to both production crews and VIPs
- Network must be able to handle transfer of critical media content
- Network must be stable and reliable
- Security is a priority because of VIP users

Solutions

- Next Generation Unified Security

Gateway-Advanced Series

- 802.11ac Dual Radio Smart Antenna 3x3 Access Point
- GbE L2 PoE Switches
- N802.11 a/b/g/n Outdoor Business WLAN Access Point
- Wireless LAN Controller

Benefits

- Ample bandwidth to handle high density of users
- Smart antennas provide optimal coverage and stable connections
- Thorough security ensures safe connections for all users
- Centralized management of zone-specific bandwidth and security priorities
- Fully compliant with local Internet regulations

Background

Founded in 1994 by Renaud Le Van Kim, KM is a multi-faceted television and entertainment production company that specializes in news and current affairs programming and large-scale live promotional events. The company is best known for producing

France's top-rated daily talk show Le Grand Journal on Canal+, which features interviews with everyone from Hollywood celebrities and senior French politicians. KM also produces the trendsetting daily show Le Before du Grand Journal.

Among KM's most successful productions are the glamorous annual opening and closing ceremonies of the Cannes Film Festival, and the French national film awards ceremony—La Nuit des César. The company is also known for producing other entertainment programs and documentaries.

For 5 years, KM has been entrusting ZyXEL teams with the installation

Challenges

Nearly 450 representatives of KM were stationed along the Boulevard de la Croisette handling technical aspects for the Grand Journal de Cannes, the live broadcasts from the red carpet events, and the animations for the Canal+ social network.

The production equipment requires the installation of a wireless

Solutions and Benefits

Leaning on ZyXEL's technical knowledge and recommendations, KM IT manager Marc Tayar and his team deployed a complete ZyXEL solution, which included the following:

- The management of the network was achieved with fiber links through GS2210 Series GbE L2 PoE Switches, which together provide optimal throughput and the necessary stability.
- To facilitate the deployment, configuration, and the maintenance of Wi-Fi coverage, a NXC2500 Wireless LAN Controller was deployed. The controller integrates seamlessly with the NWA3550-N Outdoor WLAN Access Points, which can automatically select channels via a regular scan of the environment while providing centralized configuration and secure access.
- USG310 Next Generation Unified Security Gateway-Advanced Series allows coverage of three different areas with independent management of zone bandwidth and security priorities.
- Compliance with French laws regarding the provision of a public

and management of its computer network during the Cannes Film Festival. It has also solicited the company's services during previous events such as the ceremony of the Caesars, the celebration of the 30th anniversary of Canal+, election evenings, and other high-profile events.

network covering the Palais des Festivals, the Martinez Hotel, and the beach. The network must provide a reliable and secure connection not only for the production teams, but also the many personalities to appearing on Canal +.

Internet access was assured through a ZyXEL hotspot solution featuring the new-generation UAG2100PACK, connected with a NAS. Another NAS540 was set up for storage of journalists' files. The gateway also provides Wi-Fi access for outdoor VIP guest users.

- WAC6503-DS 802.11ac Dual Radio Smart Antenna 3x3 Access Point completed the solution, meeting the challenge created by this difficult networking environment and delivering Wi-Fi access in an area with heavy user density. The AP's innovative smart antennas adapts to the demands of the environment, limiting interference in the distribution and the reception of the Wi-Fi signal.

To ensure uninterrupted service, it was recommended that a spare of each device was on hand for quick replacement if necessary.

"We are honored to continue this collaboration with KM. The design of this integrated network presents new technical challenges each year, be it reliability or security, not to mention the growing number of users", said Pierre-Emmanuel Vincent, Technical Director of ZyXEL France.

Product Used



USG310 Next Generation Unified Security Gateway- Advanced Series

- High-performance, high-value Next Generation Firewall (NGFW) for small and medium-sized businesses.
- Anti-malware protection with firewall, anti-virus, anti-spam, content filtering, IDP, next-generation application intelligence and SSL inspection.
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity and VPN high availability (HA).
- Built-in WLAN controller for centralized AP management and effortless WLAN scalability of up to 18 APs.
- Comprehensive mobile broadband USB modem compatibility and multi-WAN load-balancing, failover and fall-back support.



UAG2100 Unified Access Gateway

- IEEE 802.11 a/b/g/n dual-radio (2.4 GHz and 5 GHz) design
- Supports 100 concurrent logins by default and up to 200 via license upgrade
- Integrated account generator, Web-based authentication portal and billing system
- Supports external RADIUS servers
- Per account bandwidth management
- SP350E Service Gateway Printer enables one-click account and billing generation.
- Built-in WLAN controller
- Facilitates compliance with data retention regulations



WAC6503D-S 802.11ac Dual Radio Smart Antenna 3x3 Access Point

- ZyXEL smart antenna provides premium performance anywhere.
- Advanced IEEE 802.11ac offers up to 1.75Gbps combined data rates.
- Industry-leading Rx sensitivity as low as -102 dBm
- AP FlexTM, ZyXEL ONE Network utilities, DCS and tool-less bracket design streamline deployment.
- Load balancing and client steering ensure optimal wireless experience.
- ZyMesh easily extends reliable Wi-Fi network



GS2210 Series GbE L2 PoE Switches

- Fully managed Layer 2 switching solution
- GbE RJ-45 and GbE SFP connectivity
- Complies with IEEE 802.3af PoE and 802.3at PoE Plus
- High power budget of 375W (24HP) and 180W (8HP)
- L2 multicast, IGMP snooping, MVR and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection
- L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control
- Future-proofed with IPv6 support
- ZyXEL One Network is supported



NWA3550-N 802.11 a/b/g/n Outdoor Business WLAN Access Point

- No extra cost converting stand-alone AP architecture into management WLAN architecture
- Simplified management with scalability
- Secure architecture for reliable, scalable Wi-Fi networks
- Enterprise-class access point functionality



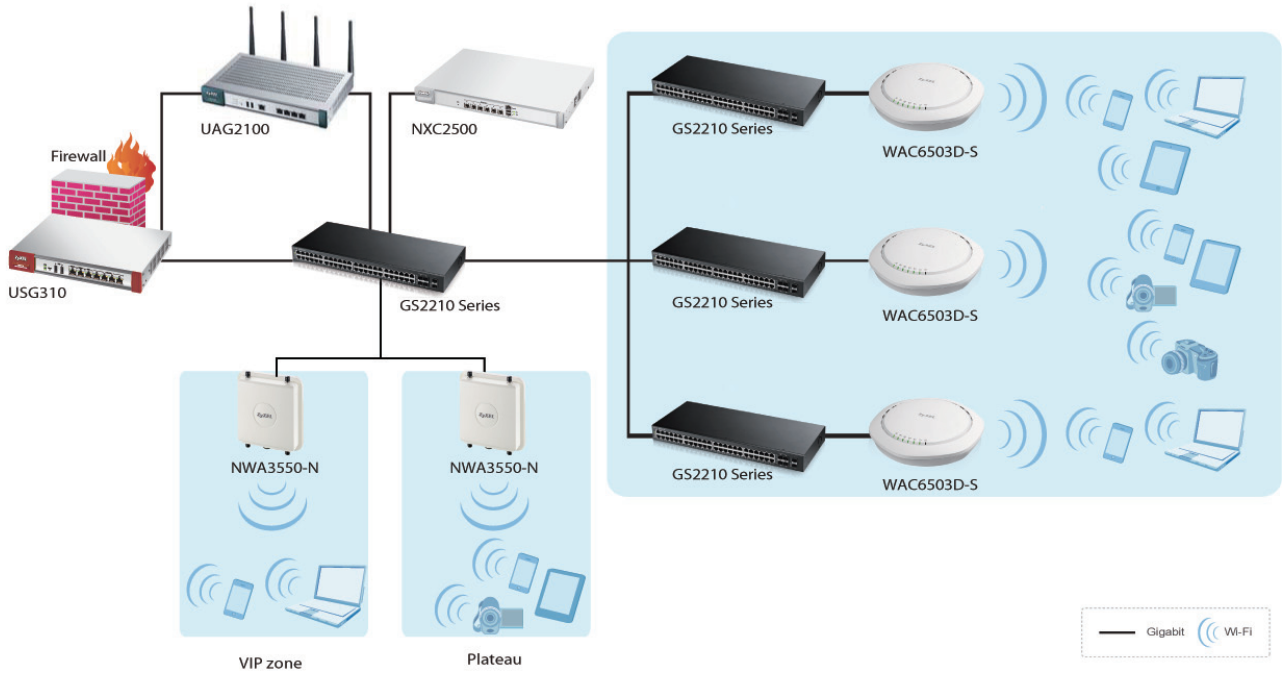
NXC2500 Wireless LAN Controller

- Centralized management for up to 64* APs
- ZyMesh mitigates complex, inconvenient cabling for Wi-Fi deployments.
- Client steering enhances efficiency of wireless spectrum utilization.
- Auto healing maximizes Wi-Fi service availability.
- Seamless integration with external AD, LDAP, RADIUS authentication
- Best investment protection with built-in RADIUS server

* Management of 64 APs is supported with firmware version V4.10 or above



Diagram



About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

Copyright ©2015 ZyXEL Communications Corp. All rights reserved. ZyXEL, ZyXEL logo are registered trademarks of ZyXEL Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.