



Overview

Customer Name

Solution Provider: Line Syte, Inc.

Customer Industry

IT Consulting, Web Development and Multimedia Design

Challenge

Install scalable, high-speed and self-reliant Wi-Fi network in the Minneapolis Mart, a wholesale permanent showroom facility.

Solution

End-to-end ZyXEL Wireless LAN Controllers, Access Points, and Switches.

Benefits of ZyXEL Solution

- Single source for all networking equipment
- Met stringent budget while delivering maximum ROI
- Uniform user interface across different products reduced learning curve
- Flexible, scalable, and easy to install and manage
- Full reporting capability for deft monitoring and control



Success Story

Line Syte Gives Minneapolis Mart a Complete Wireless Network Makeover Using All ZyXEL Gear

Challenge

Minneapolis-based IT specialists Line Syte, Inc., with clients throughout the United States, was called upon to upgrade the Wi-Fi network operated by the 200,000 square foot Minneapolis Mart. The expansive building features 140 individual showrooms with four galleries plus a lobby and a café. The existing Wi-Fi system, which consisted of consumer-grade equipment, could no longer support the growing internet usage by Minneapolis Mart customers. This inadequacy was especially evident when the Mart hosted its numerous high-traffic tradeshows filled with patrons, continuously online with their tablets and smartphones.

Solution

Line Syte President Craig Moench decided to create a more robust system with multiple Internet connections high throughput, better load balancing and more resilient Internet access. Next, install a reliable, high performance network with convenient management features.

Craig and the Line Syte team researched different vendors extensively, even poring over lengthy user manuals. Craig was impressed with the ZyXEL's extensive suite of wireless equipment, Unified Threat Management (UTM) firewalls and Ethernet switches. ZyXEL equipment offered a broad range of enterprise-class features at an unmatched price point that satisfied Line Syte's technical requirements as well as the budget requirements of the Minneapolis Mart.

"From all aspects, the system handled all adversity pretty darn well!"

Craig Moench

"We started from the ground up. We used the ZyXEL app that enabled me to plan our entire system and install access points to provide the greatest coverage," said Moench. "We wired everything from scratch, including new CAT5e cables throughout the entire building."

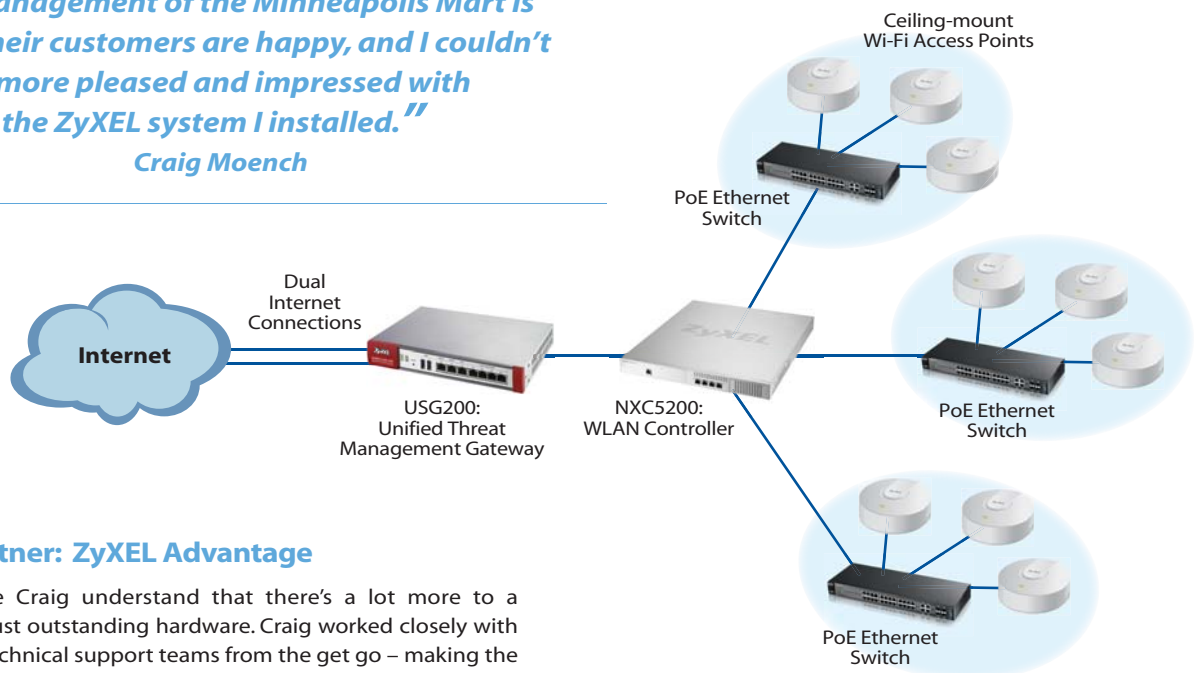


Line Syte opted for dual Internet connections for higher throughput, reliability and back-up options. They matched the dual-internet connections with ZyXEL's USG200 UTM device for solid perimeter protection and load-balancing over the two internet connections. To blanket Minneapolis Mart with a fast stable wireless network, Craig chose the ZyXEL's NXC5200 WLAN controller system and NWA5123 dual-band, dual-radio, 11n Access Points (AP). The APs were connected to the controller via ZyXEL's gigabit, PoE Ethernet switches.

The NXC5200 WLAN controller, capable of managing up to 240 APs, was ideally suited to cover the expansive Minneapolis Mart. In addition to extensive management and monitoring capabilities, it offered sophisticated features like auto channel selection, distributed traffic forwarding and WPA/WPA2-Enterprise authentication to, respectively, simplify deployment, boost throughput and secure the wireless network.

"The management of the Minneapolis Mart is happy, their customers are happy, and I couldn't be more pleased and impressed with the ZyXEL system I installed."

Craig Moench



The Right Partner: ZyXEL Advantage

Industry pros like Craig understand that there's a lot more to a partnership than just outstanding hardware. Craig worked closely with ZyXEL sales and technical support teams from the get go – making the entire purchase and deployment process painless. In addition sourcing all the different network components from a single vendor meant – single support contact and uniform interface resulting in a shorter learning curve and hassle-free deployment.

Conclusion

A Satisfied Customer

One of the Mart's most popular shows took place mere weeks after the installation. Craig's team tested the wireless networks extensively for three weeks prior to the show. They set-up reporting features to collect usage data during the show and also Content Filtering for the UTM firewall to block pornography, video streaming, and peer-to-peer sites.

Everything worked fine during the event. The wireless network held up admirably well during the event and the reporting system provided a wealth of valuable information to the network admin on network usage in real time. This helped the Line Syte team to manage and monitor the network constantly for issues and network bottlenecks. But fortunately, the network didn't have any. At one point, there were nearly 400 devices connected yet the network was still able to pull 30 to 50 Mb. "That was stellar," said Moench.