



EnGenius Neutron Series Provides Fraternity House with High-Capacity, High-Speed Wireless Network Connectivity Throughout the Building

Worknet Systems, Inc.



Based in Ann Arbor, Michigan, and established in 1997, Worknet Systems, Inc., has become a trusted advisor to companies across the Midwest.

As a managed service provider for small- and medium-sized businesses, Worknet Systems provides IT consultation and project management services. The company provides a comprehensive suite of IT solutions to its clients, including strategic planning, operations management, productivity solutions, and information protection.

The Need: Reliable, High-Speed Wireless Network for Large Fraternity House

Many aspects of a typical college students' life is connected via the Internet. Whether used for communicating, researching, or entertainment, the Internet has become a necessity in life. "Today's college students rely on the Internet as much as they do hot water and electricity," explained Dean Jeffery, President of Worknet Systems. "Internet is considered a utility these days." He stated that applications such as video streaming, online gaming and other bandwidth-intensive applications required a solution that delivered good coverage, fast speeds, and high density.



When Worknet Systems was contacted and asked to install a wireless network in a four-story, 30-room fraternity house on the campus of University of Michigan, Jeffery realized just how inadequate their existing solution was. "The house had three separate Comcast gateways located in various locations throughout the building," he explained. "The three wireless networks were not synchronized or coordinated at all. In addition, penetration and coverage was a big problem because this was a very old house with concrete construction. There were a lot of areas in the house that were not getting signal coverage and the network was hard to manage and maintain."

Jeffery knew that the ideal solution would be a managed wireless infrastructure that would enable him to deploy access points wherever needed throughout the house and tie them all together through a network controller.



The Solution: The EnGenius Neutron Series Wireless Management Solution

Although Jeffery had previously used managed wireless networking solutions from Meraki, this time he would consider other options. "I was looking for something that was similarly priced and had similar features to the Meraki product," he explained. "So I did my research on the Internet and found the EnGenius Neutron Series."

Jeffery explained that key to his decision was to find a solution that provided a centrally-managed wireless infrastructure at an affordable price point.



Jeffery decided to install the EnGenius Neutron Series Wireless Management Solution including a EWS5912FP Neutron Series 8-Port Gigabit PoE+ Wireless Management Switch with Uplink Ports and six EWS360AP Neutron Series Dual-Band Wireless AC1750 Managed Indoor Access Points.

The Results: Easy Deployment, Fast Speeds, Strong Coverage, Cost Savings



According to Jeffery, deployment of the Neutron Series solution was easy. "It was surprisingly easy to deploy," he stated. "It worked really well and it worked the way I wanted it to."

Jeffery found the deployment of the six EWS360AP units particularly easy, powering them via PoE+ from the EWS5912FP switch. "Using PoE, I could put the APs throughout the building wherever we needed them so I could provide coverage everywhere it was needed," he said. "That was important."

Jeffery also noted that by deploying the EWS360AP, which uses the Wireless AC protocol, the network delivers a substantial performance improvement over what they had before. "Having not worked with this product before, I wondered what unexpected situations I'd run into; I was very pleased at how straightforward and intuitive the deployment was," Jeffery explained.

One of the primary added benefits resulting from the installation of the Neutron Series solution was the cost savings that were realized by reducing the need for three networks down to one. "Previously, they were paying for three separate Comcast accounts instead of a single service that was being distributed throughout the house," Jeffery said. "With the EnGenius solution, we've reduced their monthly cost down to a single service while, at the same time giving them faster speeds and reliable wireless connectivity throughout all areas of the house."

With the ability to remotely monitor and manage the deployed Neutron Series Wireless Management Solution, Worknet provides ongoing support and maintenance of the network.

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