EnGenius Neutron Series Delivers Ease-of-Use, Long-Range Managed Wireless Network Solution for Multi-Story Office Buildings, Large Residences

M.I.T. Consulting

Located in Toronto, Ontario, M.I.T. Consulting is a turnkey technology solutions outsourcing company that provides a full spectrum of services and support to their clients. Founded in 2003, M.I.T. Consulting provides a wide variety of services to its customers including managed services, business continuity planning, IT consulting, Cloud services, offsite backup, data center services, IT relocation, software development, IT staffing, and website and graphic design.

The Need: Managed Wireless Network Solution with Long Range and Fast Speeds



One of M.I.T. Consulting's core competencies is building and maintaining complex network infrastructures to support the connectivity requirements of its business customers. Often they're called in to solve wireless connectivity issues caused lack of network coverage or slow network performance.

According to Erez Zevulunov, Director and founding partner of M.I.T. Consulting, a client recently called them to resolve connectivity issues in a professional 7,000 square foot, two-story office building with multi-tenant office space. The building's wireless network infrastructure was comprised of a series of business-class access points that were not able to deliver the range and speed to provide acceptable connectivity throughout the building. M.I.T. Consulting was tasked with providing a reliable, high-performance network that would provide tenants and visitors with network access both throughout the building and extending out into the atriums.

Not only does M.I.T. Consulting deploy and manage wireless network infrastructures in businesses, but they also provide networking solutions for large residences. "We're also doing a deployment of PoE access points throughout a 6,000 square foot private residence," Zevulunov explained. "The homeowner has seven PoE access points deployed throughout the home. They're not doing a good job of handoff and stability. They experience nothing but drops everywhere."

M.I.T. Consulting needed a managed wireless network solution that delivered performance and range at an affordable price point.

The Solution: The EnGenius Neutron Series Wireless Management Solution



Zevulunov found the answer in the EnGenius Neutron Series Wireless Management Solution. For deployments that do not require a full-featured enterprise-class solution, the Neutron Series provides an easy-to-use, feature-packed wireless network infrastructure solution for small businesses.

Featuring a growing family of Gigabit PoE+ Layer 2 Switches, and indoor and outdoor long-range, high-speed managed wireless access points, the Neutron Series is a scalable solution that is easily deployed and provides centralized network management through a simple browser-based software platform. Neutron Series switches can support any small number of Neutron Series Wireless Access Points to several hundred depending on the number of Neutron Series Switches in the network.

Zevulunov described the installation of the Neutron Series system in his client's office building. "We put in five APs and experienced better than expected coverage," he said. "We were actually able to also get coverage in the atriums and front foyer area in the front of the building where people hang out and have lunch. They were considering putting in outdoor access points to provide network access from the atrium and the back courtyard, but we were able to get coverage penetration in those areas without even having to deploy the outdoor APs."

Deploying the Neutron Series system provided the customer with the reliable, high-performance, managed network while also saving them money. "From a cost perspective, the Neutron Series was about 30-40 percent cheaper than going with an enterprise-class solution for the single site," Zevulunov said. "That was a major cost advantage."

The Results: Easy Installation, Extensive Coverage, Cost Savings



According to Zevulunov, M.I.T. Consulting is happy with the deployment of the Neutron Series. "The coverage is good, and setup and deploymenet was simple," he stated. "For multi-point, single-tenant access deployments, we like it." He also stated that the Neutron Series is great for ground-up network deployments.

"EnGenius has started something pretty impressive with the Neutron Series," said Zevulunov. He said that the Neutron Series has the ability to become a significant competitor to higher-priced, enterprise-class solutions for companies that are looking for a cost-effective solution that provides the performance without the "sticker shock."