

Microchip's Managed Gigabit Midspans

Upgrading Customer's Existing Infrastructure with PoE+ to Build a Robust Wireless Network

Client Background

Vosko (part of Conscia) is a leading information technology solutions integrator in the Netherlands. They offer enterprise networking, unified communications, security, managed services and data centers solutions. Vosko designs, implements, secures, maintains and manages large and complex infrastructure networks for the private and public sectors in the country.

Business Challenge

The client, UMC Utrecht, an academic hospital, approached Vosko to implement a robust, high-availability wireless network supporting business-critical applications. The existing switches were unable to deliver the required power enabling full functionality of the desired solution. The client needed to adequately power a large number of high-powered devices such as high-bandwidth wireless access points in multiple buildings across the hospital campus.

In order to increase RoI and keep within budget requirements, it was essential to leverage the existing switching infrastructure.



Executive Summary

Geography

Europe

Industry

Healthcare

Challenge

To meet the growing demand for connected devices in the hospital campus by efficiently powering high-bandwidth wireless access points, while leveraging the existing network infrastructure to lower costs and ease installation.

Solution

Over 200 Microchip PD-9024G Midspans were deployed to power more than 3,000 wireless access points for the modern hospital network.

Result

Addressing the high-bandwidth requirement of all connected devices helped achieve improved business efficiency and reliability. Significant cost reduction was achieved by leveraging the existing infrastructure while transitioning to PoE+ technology. Compatibility of Microchip Midspans along with plug-and-play installation not only reduced complexity, but also helped complete the project ahead of time and within budget.

"The Microchip power injectors are very easy to deploy. We have not seen any issues in the large scale wireless infrastructure roll out so far. The product does exactly what it promises to do!"

— UMC Utrecht Project Manager

Microchip Solution

Vosko understood UMC Utrecht's high-power requirement while limiting expenditures and ensuring a faster turnaround time. They proposed to deploy PoE+ Midspan technology and retain the existing Ethernet switches.

Microchip PoE Midspans were chosen to reliably power the high-power applications due to their unique features and ease of installation. Over 200 Microchip PD-9024G Midspans were installed in multiple buildings throughout the hospital campus powering 3,000+ wireless access points.

The unique features of Microchip Midspans were the key drivers in decision making:

- Enabling full-power per port on all ports concurrently, ensuring full and uninterrupted power supply
- Remote management facilitating quick assessment of end-point issues and allowing remote reboot / power diagnosis
- Plug-and-play installation
- Interoperability and compliance with industry technology and safety standards
- Support and limited-lifetime warranty

Value Delivered

Compatibility of Microchip Midspans with UMC Utrecht's existing infrastructure coupled with the simplicity of installation significantly reduced the cost and complexity of the technology upgrade.

The client was now able to meet the high-bandwidth demand from connected devices throughout the hospital campus resulting in improved business efficiency and reliability.

Related Information

PoE Product Portfolio

<https://www.microsemi.com/products/poe-systems/poe-systems>

For more information and specifications, please call, email or visit our website.

Toll-free: 800-713-4133

sales.support@microsemi.com

<http://www.microsemi.com>
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