

Future-Proof Wi-Fi at the International School of Luxembourg



The International School of Luxembourg had set itself the goal of creating future security with capacities for bring your own device (BYOD) and a balanced student/device ratio.



The Challenge

EDUCATIONAL INSTITUTIONS need a powerful and easy-to-manage wireless network that provides stable internet access for many simultaneous users. With the growing use of digital teaching and learning content, the International School of Luxembourg (ISL) had problems with its existing network. The devices used at the school were outdated and no longer met the current requirements of everyday education. For example, the 802.11 network had partial capacity problems due to the use of video applications and an increasing number of devices. Therefore, the ISL was looking for a suitable solution to implement, and among other things, a guest portal to ensure increased security. In addition, the new solution should provide simple and centralized management with reporting function.

The Solution

THE INTERNATIONAL SCHOOL OF LUXEMBOURG chose Cambium Networks to provide reliable and stable Wi-Fi with optimal network connectivity for large user groups. Cambium's partner, Mobile Networks, integrated 215 x XV3-8 access points with a capacity for 3000 devices and 1700 students and teachers. In addition, the ISL uses XMS cloud management with EasyPass guest portal to manage its devices.

“Currently, approximately 3,000 devices are connected to our network. However, as digital learning and online collaboration play a key role in the ISL's educational concepts, we need to provide high-quality, secure wireless connections across our school campus. We are pleased to have found a reliable and competent partner with Cambium Networks to meet these requirements in the best possible way and to enable an optimal digital experience at school.”

- Bernd Buchmaier, Head of IT Infrastructure Services at the International School of Luxembourg

