PRISM Builds Up the Best Campus Network

Enrich Smart Learning with Secure and Efficiency Wi-Fi

BACKGROUND STORY

Object: Tung Fang Design University
Location: Kaohsiung County, Taiwan

Tung Fang Design University was founded in 1966 and covers an area of 90,000 m^2. Tung Fang Design University has 2,000 + people including students and teachers.
It is the only institution of higher education in Taiwan which solely focuses on design.

REQUIREMENTS

A lot of the teaching and learning today is going remote. Educational institutions are increasingly making use of new technologies for learning. Traditional classrooms and textbook learning have seen an upgrade to digital learning processes, tools, and experiences.

Students and pupils are used to bringing several devices with them to campus, so schools need to be able to support more than one device per student. All of this is on top of the school-provided devices, learning technologies, and IoT. Being able to support all of these devices at once, in high-density areas, is key to ensuring a positive experience for both students and staff. Wi-Fi 6 is a great way to mitigate the issues of putting many Wi-Fi devices in a single network.

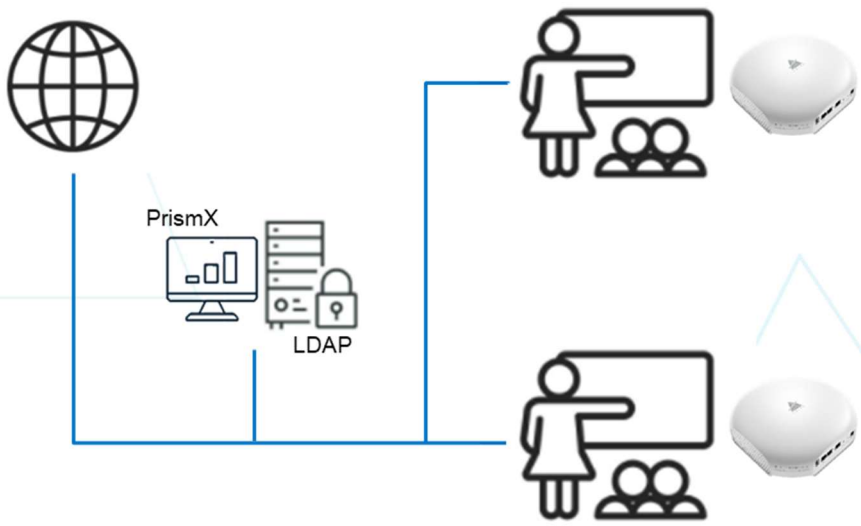
CHALLENGES

With the advent of the Internet and mobile devices, the education and learning have changed drastically. The educational institutions need to embrace the new methods of learning to keep students abreast of changes in technology.

To ensure uninterrupted learning and to be able to reap the benefits of investing in new technology, establishments across the school need to ensure their Wi-Fi networks are up to scratch.

PRISM SOLUTIONS

- Prism MI10 Wi-Fi 6 AX6600 Tri-Radio Mesh Router for 20 units
- Remote controlled by PrismX™ Controller Cloud Version



Prism provides all the necessary hardware and software required for setting up a reliable and scalable wireless infrastructure within the campus.

Prism MI10 Wi-Fi 6 AX6600 Tri-Radio Mesh Router is designed for today's high-density mobile environments, lets students easily access the learning management system, collaborate on business presentations, or run engineering simulations. Teacher and administrative staff have ready access to the resources they need to do their jobs.

Important advantage of Wi-Fi 6 technology is the increase of data transfer rate that could be achieved by using the technologies of OFDMA modulation and MU-MIMO, which makes it possible to increase the number of possible connections. This is required due to significant increase of students and teachers and therefore devices.

The MI10 also can be powered through a standard power supply 12V/3A PSU or 802.3bt PoE ethernet connection. For ease of deployment in a classroom, the MI10 routers has powered via PoE.

Prism Wi-Fi solution are centrally managed by PrismX™ Controller, by using LDAP authentication, allow teachers and staff to log in with their existing Microsoft Active Directory (AD) credentials.

For more details and case studies, visit www.prismwifi.com

*Reference: Tung Fang Design University, https://www.tf.edu.tw
**The reseller is Asahi Citi Info. Co., LTD.