PRISM Wi-Fi 6 Powers Rural Primary School Into the Future

Prism Wi-Fi 6 Solutions can help school improve facility management, lower operational costs and enhance student experiences.

BACKGROUND STORY

Object: Yisheng Elementary School

Location: Taoyuan, Taiwan

Yisheng Elementary School was founded in 1955 and located in a fairyland surrounded by verdurous mountains.

Yisheng Elementary School is one of few elementary schools of aboriginal in Taiwan which is trying to provide great education resources to catch up with urban students.

REQUIREMENT

Compared to traditional education, teachers nowadays are trying to raise student's will of learning by diversity resources, you can see interactive whiteboard in every classroom and iPad for every child during class.

Students are going to learn natural ecosystem by taking a picture and upload to Internet in a garden outside the classroom. Teachers are able to teach students with some educational resources, like YouTube, online textbook and App.

CHALLENGES

With the progress of time, the core of physical information systems, combined with Internet of Things and big data analysis have brought about new changes in the planning of campus building and equipment.

Ministry of Education starts to promote smart school in Taiwan. It's hard to achieve a sound e-learning environment without a extreme broadband delivery of wireless networks, robust network, low latency connectivity. Especially in rural primary school.

PRISM SOLUTION

- Prism MO10 Wi-Fi6 AX6600 Tri-Radio Mesh Router for 1 unit
  Cover the playground and garden
- Prism MI10 Wi-Fi6 AX6600 Tri-Radio Mesh Router for 3 units
  Cover all the classrooms and hall
- Remote controlled by PrismX™ Controller Cloud Version
  Manage and monitor the status of these APs

Prism Wi-Fi 6 networks enable school to accommodate a vast number of devices and applications to improve student life, learning, and safety on campus. From collaborative and immersive learning to smart buildings with enhanced security systems. Prism Wi-Fi 6 provides the capacity, efficiency, and performance needed to deliver seamless high-speed internet connectivity across the campus while accommodating thousands of personal and entertainment devices.

Prism MI10 Wi-Fi 6 Router is designed for today's high-density mobile environments, making students easily access the learning management system, collaborate on business presentations, or run engineering simulations.

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.

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

*The seller is Brtech. Brtech is PRISM's official distributor in Taiwan.