PRISM Wi-Fi 6 Helps Create Cutting-Edge Smart Building via WiFi-enabled IoT devices Offering Innovative Services

BACKGROUND STORY

Object: Women and Children Creative Park
Location: Hualien City, Taiwan

The Hualien County Government has refurbished and revitalized the old building space and built it into a parent-child creative park focusing on women and children. It will provide a "Women's Dream Hall" for chatting, reading, and playing the piano, and "Happiness" for children to play toys, board games, and picture books. "Children's Play Hall", as well as multi-functional spaces such as shared studios, baking classrooms, exploration spaces, rest spaces, and outdoor theaters for collaborative learning and co-creation.

It is part of “Sustainable Hualien” project, are executed using well-architected systems software and hardware to ensure to achieve the project’s goals.

REQUIREMENTS

The Creative Park relies on IoT sensing devices with a wide range of capabilities. These devices needs to work with the retrofitted structures of the latest Wi-Fi 6 AP and the cloud service.

The Creative Park also offers immersive augmented reality (AR) and virtual reality (VR) learning activities the needs Wi-Fi reliability.

Also requires a mesh network to allow devices to communicate with each other for different spacious open sites.

CHALLENGES

The Women and Children Creative Park covers an area of 5,500 square meters, and will gather many hundreds of people when holding different holiday events.

PRISM SOLUTIONS

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

Prism MI10 Wi-Fi 6 AX6600 Indoor Mesh Router uses tri-radio Wi-Fi, while the incorporated PrismMesh™ system dedicates the second 5GHz band as a backhaul channel. It is able to support numerous applications requiring robust, seamless and reliable connections without tapering off into dead zones or suffering from dropped signals.

Prism MI10 supports Power over Ethernet (PoE) technology making Internet cabling capable of also carrying electricity.

PrismX™ controller also provides the ability to build a captive portal for guest access management.

Prism Wi-Fi 6 Mesh AP delivers a secure and scalable wireless architecture that is easy to manage and deploy. Provide high –performance, secure, reliable Wi-Fi 6 capacity to a large outdoor and indoor area, especially the high density environments.

For more details and case studies, visit www.prismwifi.com
*The seller is Brtech. Brtech is PRISM's official distributor in Taiwan.