

# Nuclias Connect Gets Top Marks



## Wireless Network Expansion for Education Network

### EXECUTIVE SUMMARY

<b>Client</b>	A School District
<b>Industry</b>	Education
<b>Location</b>	Taiwan
<b>Challenge</b>	Uniting previously disjointed networks under one management tool
<b>Solution</b>	The Nuclias Connect Management Software
<b>Results</b>	A united network under the control of Nuclias, with better management, easier configuration and maintenance.

A large school district in Taiwan needed an affordable network management solution that could meet today and tomorrow's needs. The legacy infrastructure of disjointed network expansions was becoming too complex to manage. D-Link offered a centralized solution.

### Challenges

As the floor space of the school grew, the network needed to grow with it. More devices, more users and bigger bandwidth demands would constantly push demand to new limits.

The project was planned to add another 600 Access Points to the network, bringing the new total to 1,600.

With Taiwan's warm and humid climate, and not to mention the typhoons, outdoor equipment needed to be particularly resilient.

### Solutions

To manage the entire network from on centralized interface, the Nuclias Connect Management Software was the undeniable best choice. Ability to manage the entire network from one location brings the simplicity and manageability required. Other benefits include batch configuration, automated firmware updating and access to real time traffic and analytics. It has become an invaluable tool for the school.

To combat the local climate, the DAP-3662 Dual-Band Outdoor PoE Access Point was deployed. With PoE support, it can be installed in challenging locations where there are no nearby power

outlets. Secondly, its IP68-certified water and dust proof housing means it can endure whatever the weather can throw at it.

For indoor Wi-Fi coverage, the DAP-2660 and DAP-2695 Dual-Band PoE Access Point were selected for their high wireless throughput. They are well suited to meet high bandwidth demands. Features such as band steering, which pushes 5 Ghz capable devices onto the higher and less congested band, help keep data flowing fast throughout the network and avoid the slump during peak usage times.

### Results

Previously disjointed networks in different schools are now united thanks to the Nuclias Connect Management Software. Time spent on admin, configuration and maintenance has been slashed, making life much easier.

Real time traffic and analytics means problems can be spotted and corrected earlier, so there is less down time. This is essential for teachers and students where access to high speed connectivity is key to accessing learning materials.

### Products & Services

- Nuclias Connect Management Software
- DAP-2660 Dual-Band PoE Access Point
- DAP-2695 Dual-Band PoE Access Point
- DAP-3662 Dual-Band Outdoor PoE Access Point



DAP-2660



DAP-2695



DAP-3662