



# Installed and Running in 30 Minutes...



## Dyke House School

### Fusion 300 Wireless LAN Solution Case Study

#### U4EA Technologies' Fusion 300 Wi-Fi Solution Installed in Award-winning UK school in 30 Minutes



*"We were looking for a wireless LAN solution offering ease of installation, high level security, reliability, and future scalability that could also be managed centrally and cover a number of departments throughout the school. Certainly the most cost efficient, U4EA's products have a very high level of functionality including the latest security, and yet the system was set up intuitively and quickly within about 30 minutes. Our wireless network is a connectivity cornerstone to our ICT strategy and enhanced performance, enabling pupils and staff to have full use and access to the school's network and applications in the coming years."*

- Lee Miller  
IT Manager,  
Dyke House  
School



Dyke House School is an award-winning secondary school located in Hartlepool in the North East of England. The school is accredited nationally and recognized for its achievements and best use of Information and Communication Technologies (ICT), both in education and administration.

Its ICT strategy is a clear strength and supports extended learning beyond the school estate enabling staff and pupils to use a progressive, performance enhancing range of software and applications - more frequently through the deployment of new wireless technologies.

#### Overview

##### Challenges

The school has more than 1000 students and 100 teaching staff. All are IP-literate and each has a laptop or PDA being used across the full extent of the school's campus.

- Large user base involving extended learning
- Estate diversity
- Cost containment
- Security
- Reliability
- Scalability

##### Requirements

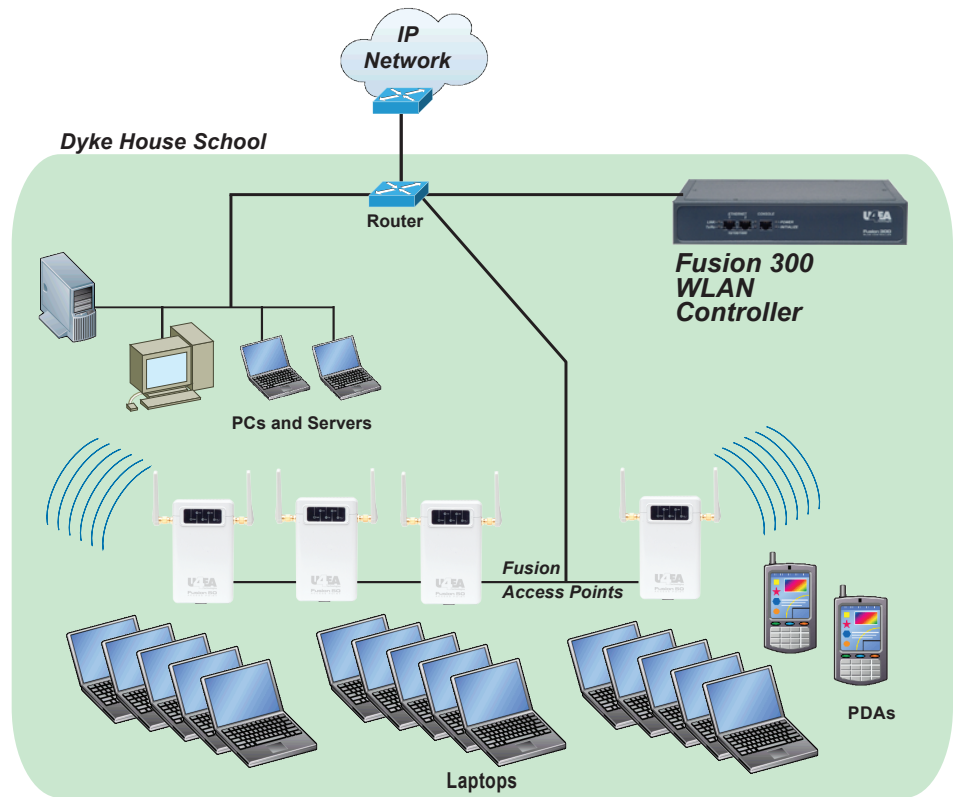
Deploy a cost-effective WLAN controller with initially up to 25 access points throughout the school.

- Automatic plug-and-play installation
- Features and functionality
- Advanced security features to minimise risk of hacking
- Ease of deployment and access point relocation
- Monitoring and system management

## Solution

Dyke House School was seeking a cost-effective wireless system requiring minimal configuration but allowing quick and easy AP monitoring and configuration from the administration centre and providing each of the user groups its own VLAN, SSID and security password.

An ideal solution for school, campus and academic environments, U4EA's award-winning wireless system for Dyke House School consists of the Fusion 300 WLAN Controller and 24 of their Fusion 50 (802.11b/g) and the new Fusion 70 (802.11n) Wi-Fi access points. The Fusion WLAN solution is optimized for environments with limited in-house IT or wireless expertise, and scales from a few users up to 250 users. It has plug-and-play set-up with corporate-grade functionality such as automatic RF optimization, load balancing, seamless roaming, security, integrated RADIUS and full carrier-grade voice QoS.



*"The one element of U4EA's system that sets it apart from any others is the simplicity of its automatic plug-and-play installation using a wonderful configuration template which allows all the APs to be simultaneously configured across all classrooms - at a key stroke."*

- Lee Miller  
IT Manager, Dyke House School

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