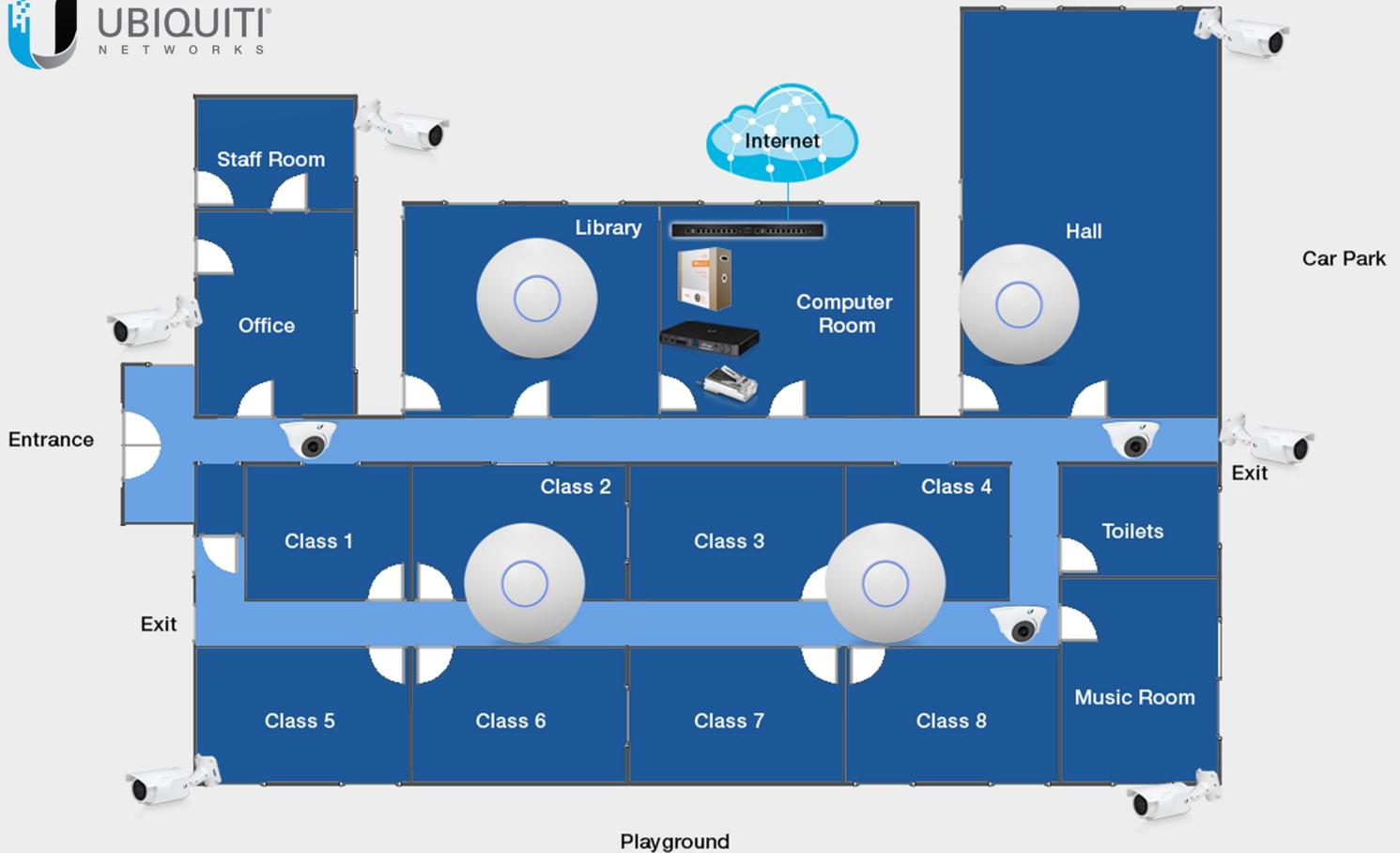


WIRELESS SCHOOL KIT

complete network for under £2,500



Set up a complete Ubiquiti Networks wireless solution in your school.
Reliable and effective - all for much less than you would expect.



What to expect from your **WIRELESS SCHOOL KIT**

The Internet has revolutionised teaching by providing resources that were previously impossible to bring into the classroom. Students can benefit from a huge source of information, available instantly.

Many primary schools are providing their students with iPads and similar devices to enhance their learning experience. These devices give students a hands-on experience with learning. With each classroom often having around 30 children, the demand for stable and trouble-free internet connectivity is high.

The internet has also enabled security systems to be integrated into the network. With security being a must for schools, the ability to install and control IP cameras is a cost effective and convenient option.

Ubiquiti products are renowned for being scalable, reliable and hugely cost effective. A **WIRELESS SCHOOL KIT** from 4Gon Solutions contains:

- | | |
|-------------------------------------|---------------------------------|
| 4x Ubiquiti UniFi Pro | 1x Ubiquiti TOUGHSwitch Carrier |
| 6x Ubiquiti UniFi Video Camera | 1x Ubiquiti NVR |
| 3x Ubiquiti UniFi Video Camera Dome | 1x Ubiquiti TOUGH Cable |



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UAP-PRO | Dual band for 2.4GHz and 5GHz connectivity

- 802.11 a/b/g/n
- Up to 450 Mbps
- Up to 122m (400ft) range
- Up to 4 BSSIDs per radio

By allowing up to 200 concurrent users per device, every student will stay connected. Optimum set-up allows for one AP per room, so no signal strength is lost through walls.

The flexibility and scalability of Ubiquiti products means that a deployment can be upgraded or expanded in the future with the UAP-AC.

UVC | Perfect for both indoor and outdoor use



- 720p HD, 30 FPS
- Wall, Ceiling, or Pole Mount
- Built-in Microphone
- Powered through Ethernet

Position UVC cameras near entrances and exits to monitor activity into and out of the building. Featuring night mode and customisable motion detection settings, video is captured efficiently even out of school hours.

Upgrade or expand in the future with the 1080p UVC-Pro.

UVC-DOME | Ideal for corners and corridors



- 720p HD, 30 FPS
- Wide-Angle Lens
- Built-in Microphone
- Powered through Ethernet

Record HD video wherever a fixed camera is needed. The UVC-Dome is ideal to be mounted on the ceiling in corners or rooms and corridors. Designed for indoor use, the UVC-Dome can record at 720p with 30 frames per second.



TOUGHSwitch CARRIER | 16 port PoE switch

- 16 Gigabit PoE Ports
- 24V/48V Configurable Passive PoE
- 300 W Power
- 1U Rack-Mount Form Factor

The TOUGHSwitch is a rugged and cost-effective switch designed to power Ubiquiti devices. The size and number of switches required will depend on the scale of the deployment.

Ideally the TOUGHSwitch should be housed in a central location to save on cabling costs, and away from the reach of people who may tamper.

NVR | Video management for Ubiquiti cameras



- 500 GB Hard Drive Capacity
- 4 GB Memory
- Up to 1,200 recording hours (approx.)
- Efficient 65W, 19V, 3.42A Power Supply

Provide management of the Ubiquiti Video Cameras through the UniFi Video Software, and to record the camera footage for playback.

The NVR is plug and play and comes with a 500GB hard drive to store recorded footage. The capability to record HD footage from the surveillance cameras will be a huge asset to schools to both protect the property and watch back footage of specific incidents.

TOUGH Cable | Shielded and durable cabling

Extremely durable and reliable, this shielded cable features an integrated ESD drain wire, anti-crosstalk divider and secondary shielding.

TOUGH Cable Connectors | Protection against ESD

Specifically designed for use with Ubiquiti TOUGH Cable, these connectors protect against ESD attacks and hardware damage while allowing rapid field deployment without soldering.





Alternative Solutions

Ubiquiti offer a huge range of wireless products, and each school may have different requirements. A school may require a smaller or larger amount of cameras or APs depending on the size of the building. The UniFi access points will optimise your network performance and the cameras keep your surveillance requirements in check.

Many other competitors to Ubiquiti can offer the same setup for schools (or any large deployment), but you would be pushed to find a solution which offers both an affordable price and reliable product.

Future Improvements

Thanks to the scalability and flexibility of Ubiquiti products, in the future the school could swap out UniFi Pros for UniFi ACs. The UAP-AC uses the latest 802.11ac Wi-Fi standard, which operates much faster than that of b/g or n. With new devices gradually being released with support for the latest standard, the UAP-AC will be able to offer faster speeds to users.

The school could also upgrade their UVC cameras to the UVC-Pro. The Pro offers Full HD 1080p recording and optical zoom, all in a tough exterior casing.

What To Do Next

Visit www.4gon.co.uk to order now and to find out more about products and kits.

Give us a call on [+44 \(0\)1245 808295](tel:+44201245808295) to speak to one of our Technical Sales team.