

Raynes Park High School Accelerates Learning with Xirrus High-Performance Wireless Arrays



With 1,200 11-19 year-old students in attendance, Raynes Park High School is a comprehensive Secondary School in London, United Kingdom.

Requirements

- Quick installation with minimum number of devices and cable pulls
- High bandwidth coverage for mobile learning aids
- Ample bandwidth to support e-learning platforms

Solution

- Improved user density and throughput with 4 to 16 radios per Array
- Greater coverage with high-gain directional antennas
- Easier installation and network integration

Benefits

- Pervasive Wi-Fi connectivity for students and faculty using fewer devices
- Ability to centrally manage the network from one management screen
- Cost-effective and reliable high-performance Wi-Fi



Located in London, United Kingdom, Raynes Park is a comprehensive Secondary School with approximately 1,200 11-19 year-old students attending the facility. As a specialist technology college with a particular focus on science, maths, & design technology, Raynes Park needed a reliable wireless network to serve as the backbone for these programs.

After extensive research and testing of wireless systems on the market in an attempt to find a solution that would solve their wireless issues and concerns, Raynes Park concluded that Xirrus was the best fit. Xirrus offered a cost-effective solution that could support their bandwidth needs without deploying an access point per classroom, like other solutions required. Xirrus was able to provide a high-bandwidth wireless network for Raynes Park that can effortlessly support their laptop carts with fewer devices and cable pulls than any other wireless vendor.

Xirrus Provides Ample Bandwidth for Mobile Laptop Program

"The demand for ICT rooms in our school is really high and we simply don't have any more space," said Gary Dockrell, IT Systems Manager/Governor at Raynes Park High School. "We knew we could solve the problem by implementing laptop carts, but we needed a reliable wireless network to support them. We visited a number of local schools to look at how they use wireless. Most of them have an access point in each classroom and we didn't want to go down that road. Our building is particularly old and has thick brick walls, and I was really concerned that we would have to put one or maybe two access points in each classroom. We wanted a solution that would allow us to provide wireless much more easily with a smaller number of devices, so we looked at a number of solutions offered by other vendors."

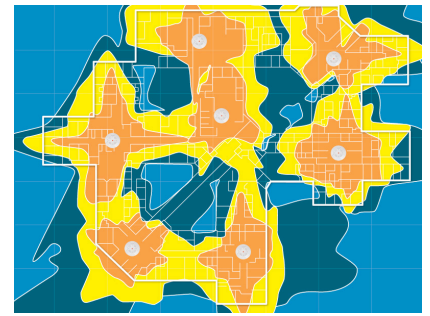
The Xirrus Wireless Array integrates from 4 to 16 radios, high-gain directional antennas, a multi-gigabit switch, controller, firewall, and threat sensor into a single access device. This unique architecture provides 4X the coverage and up to 8X the bandwidth and capacity of traditional access points, which is perfect for high user density and throughput needs in an educational environment. When it comes to wireless networking for education, no company does it better than Xirrus.

“We came across Xirrus at the BETT educational show,” continued Gary. “They told us how we could very easily provide high bandwidth to a large number of clients using a small number of Wireless Arrays. We had them out for a site survey and it was really excellent – they fully lived up to their promises. At the end of the day we were presented with a heat map and given a coverage guarantee. On top of coverage, the Xirrus guarantee to us stated that if it doesn’t work, Xirrus will come back and put it right at no extra cost, and that was important to us. Since our Xirrus deployment and the implementation of our mobile laptops, the teachers have all been saying that the wireless is working perfectly. In fact, all of the comments have been fantastic. We wanted a solution that just works in the classroom, and that’s exactly what we got.”

The Xirrus Advantage

With the explosion of smartphones and tablets, mobility has become ubiquitous. People expect to connect wirelessly. Organizations depend on high-bandwidth to send and receive voice, video and data, from any device to any one. And no one delivers better than Xirrus. Our array-based solutions are unique. They draw from cellular tower design principles to provide wired-like reliability, increased user density and capacity plus superior security. They perform under the most demanding conditions and have lower infrastructure requirements. When integrated with business and IT objectives, they help you do more than ever before.

At Xirrus, we apply the “best practices” of wired networking to wireless infrastructures by distributing the intelligence to the edge and outfitting the Array with dense multistate radios in the same manner as a wired switch. That’s how Xirrus delivers the best performing, most scalable wireless solutions in the industry. It’s a strategic IT infrastructure advantage that fuels organizations. Because Xirrus does wireless networks right.



“Since our Xirrus deployment and the implementation of our mobile laptops, the teachers have all been saying that the wireless is working perfectly. In fact, all of the comments have been fantastic. We wanted a solution that just works in the classroom, and that’s exactly what we got.”

GARY DOCKRELL,
IT Systems Manager/Governor,
Raynes Park High School



1.800.947.78.71 Toll Free in the US
+1.805.262.1600 Sales
+1.805.262.1601 Fax
2101 Corporate Center Drive
Thousand Oaks, CA 91320, USA

To learn more visit:
xirrus.com or
email info@xirrus.com