



“TOP 5 ISSUES FACING K-12 EDUCATION WI-FI NETWORKS”

Keeping a school or an entire district’s Wi-Fi® network operational throughout the school year can be a daunting challenge for an IT staff that is many times small, remote, or both. Between the plethora of student and staff devices to the relentless demand for fast and reliable connectivity, managing a network requires constant vigilance and bold fortitude.

Following are the top issues that challenge K-12 IT departments and the advanced solutions that can make them disappear.

1

Must-work performance

On days of standardized testing and assessments, network admins cannot afford to have any surprises pop up. RUCKUS AI™ is the network analytics and assurance solution, powered by machine learning (ML) and artificial intelligence (AI) that provides IT staff a comprehensive view into network operations through a single pane of glass. With network improvement recommendations and proactive alerts about problems detected on the network, RUCKUS AI™ provides the insights needed to keep the network performing at its peak.



2

BYOD onboarding

Accessing the school network can sometimes become a frustrating reality that manifests itself in the form of a pile of support tickets. With Cloudpath® Enrollment System, K-12 IT professionals can depend on our software/SaaS to help with provisioning and streamline secure wired and wireless network access seamlessly for BYOD, guest users and IT-owned devices using the latest security techniques.



3

Uninterrupted video

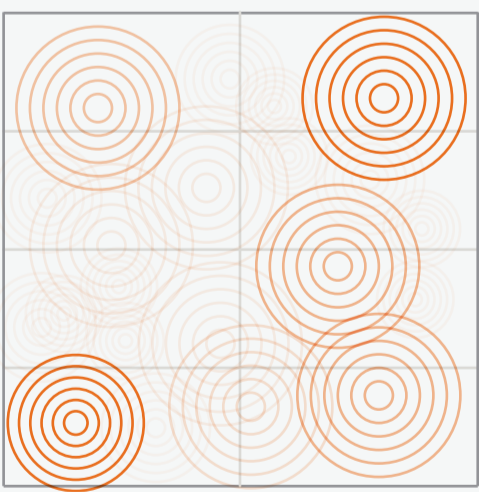
A classroom or auditorium full of antsy students is the absolute worst time for a throbber to pop up. Fortunately, with RUCKUS® APs, school IT receives the benefit of BeamFlex®, a proprietary smart antenna system, as well as SmartCast™, an advanced Wi-Fi quality-of-service engine that’s designed to deliver a video presentation with a strong, endless video connection.



4

High-density interference

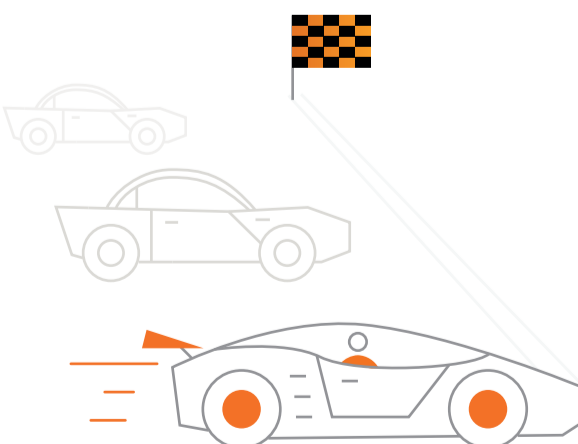
When a vast number of devices are constantly moving about the school, devices can encounter obstacles that can reduce signal strength, including co-channel interference. With RUCKUS access points (APs) featuring Cloud Based Radio Resource Management (C-RRM), IT departments can rest assured that Cloud Based RRM can not only monitor and detect Co-Channel and Adjacent-Channel Interference that is occurring in the environment, but also proactively suggest steps to optimizing RF channel selection to maximize network capacity and throughput.



5

The need for speed

As more schools participate and compete in school esports tournaments—where lag or a glitch can cost a championship—school networks are expected to provide flawless speed and capacity. The RUCKUS family of ICX® switches utilizes a low-latency, non-blocking architecture that provides excellent throughput for the most demanding applications. They also simplify network setup and management, enhance security and make upgrading super easy.



Ready for a network that’s easier to manage and maintain? Fortunately, RUCKUS Networks can help ease your worries away. [Visit us online](#) to learn more about how our innovations were created to make your life easier.