

Challenge

School administration and IT directors are focused on student achievement. They need to provide a safe and healthy environment that removes barriers to learning while being technologically prepared for future, media-rich education tools.

Solution

To enhance student and faculty experiences, Juniper Networks and Ruckus Wireless leverage best-in-class wired and wireless networking to deliver high density, campus-wide connectivity with added services such as analytics, content filtering and location-based services.

Benefits

- Address the evolving nature of education through new services and new models of classroom learning
- Best-in-class, end-to-end wired and wireless infrastructure offering the industry's highest performance and scalability
- Seamless coverage both indoor and outdoor that grows with increasing data demands

Juniper Networks and Ruckus Wireless Deliver High Performance to the Digital Classroom

Build a Best-in-Class Open, Digital Learning Network

Introduction

Digital learning, digital content, cloud-based education applications, 1:1 expansion, BYOD, online assessments, online classes, virtual schools. These important K-12 Education initiatives signal a period of unprecedented technology integration that bring the promise of enhancing student engagement and improving student outcomes. Turning these initiatives into reality requires school district networks that are up to the task, but ill prepared districts can face a number of network readiness challenges.

The Digital Learning Network Readiness Challenges

- 30% of districts indicate they are fully prepared for online assessments..
- 45% of districts do not have the capacity to deploy a 1:1 initiative.
- 69% of districts do not believe they have sufficient Internet connectivity for the next 18 months.
- 56% of districts do not believe they have enough WAN connectivity for the next 18 months.

Source: CoSN K-12 IT Leadership Survey

Juniper Networks and Ruckus Wireless Deliver High Performance to the Digital Classroom

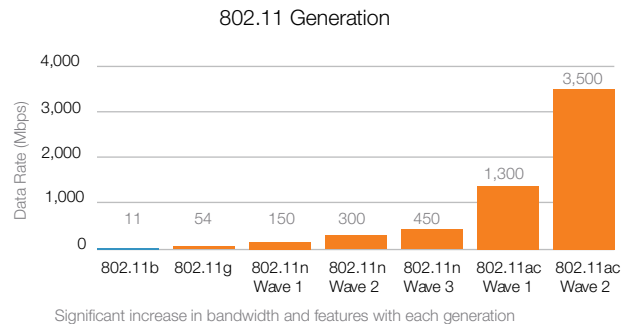
Digital Learning Traffic Growth Will Increase Broadband Connection Bandwidth 10X in Three Years

| Broadband Connections | 2014-2015 School Year | 2017-2018 School Year |
|------------------------------|-------------------------|------------------------|
| External internet connection | 100 Mbps/1,000 students | 1 Gbps/1,000 student |
| Internal WAN connections | 1 Gbps/1,000 students | 10 Gbps/1,000 students |

Top Reasons Schools Select Ruckus and Juniper

- Ruckus and Juniper are providing a best-in-class integrated approach allowing schools to facilitate deployments and reduce costs for wired and wireless networks.
- Ruckus' 3+1 Clustering, Juniper's Virtual Chassis Technology™, and multi-tenancy WiFi technology, dramatically simplify the network management of multiple schools from a single point in the district.
- Juniper's best-in-class Ethernet switches combine with Ruckus Wireless Smart WiFi to deliver pervasive performance in primary education.
- Schools achieve up to 42% operational cost savings with Junos, Juniper's common network operating system with a reduced learning and ongoing configuration and management workflows minimizing configuration errors and downtime.
- Juniper's Limited Lifetime Warranty on select Juniper EX-Series Switches protects their network investment.
- Deep proven experience in building mission critical networks, offering competitive and E-rate eligible solutions in Education.

Greater Performance for the Digital Learning Classroom



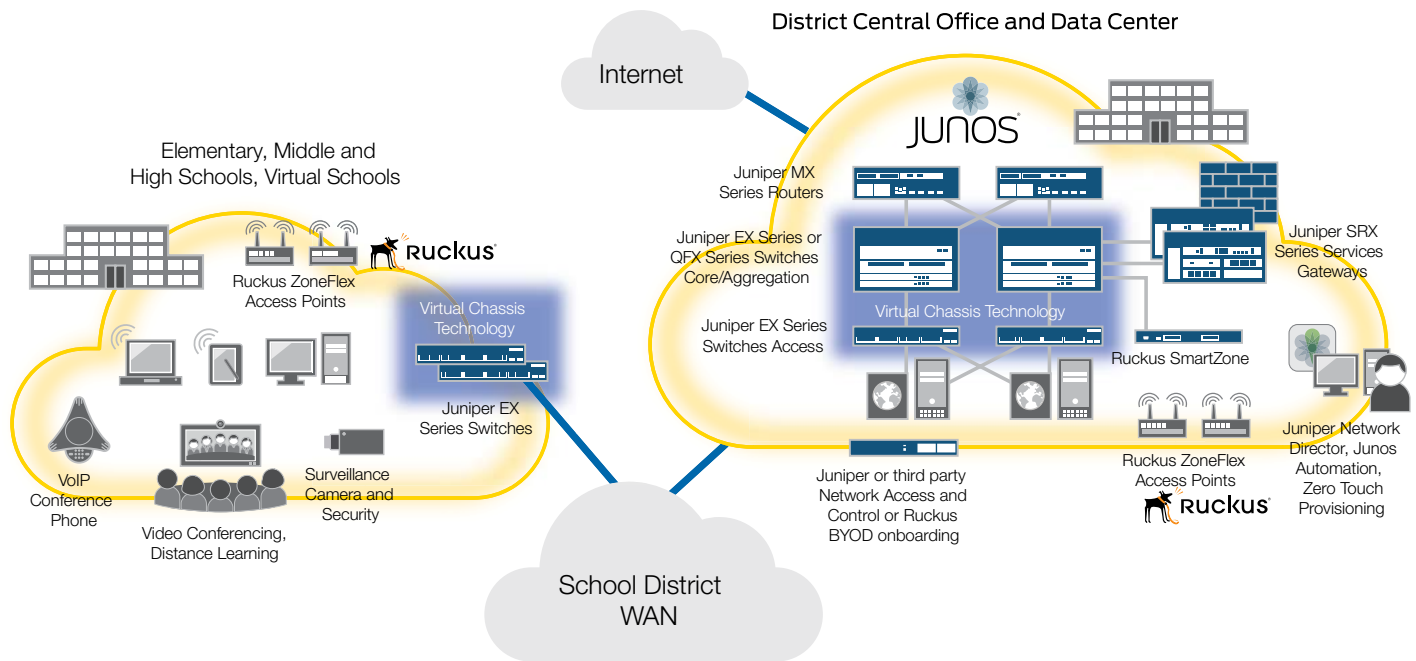
Transform Education with Juniper and Ruckus

Today, being “Network Ready” means having the right mission critical network for digital learning. Successful digital learning initiatives requires high performance, robust and secure network infrastructures with high density WiFi support in classrooms. For this reason, Juniper Networks and Ruckus Wireless have teamed together to provide a best-in-class open, wired and wireless solution delivering a high quality user experience demanded by school districts. The solution integrates Juniper's carrier-class switching, routing, security and network management portfolio with Ruckus Wireless Smart WiFi solutions. Schools do not have to purchase end-to-end Juniper/Ruckus infrastructure; they can choose what best fits their needs.

Juniper Facts:

- The top global service providers and 99 of the Fortune Global 100 run on Juniper networks.
- More than 86 percent of smartphone traffic in the U.S. is secured by Juniper.
- Seven of the eight largest international stock exchanges trade across Juniper networks.
- The top-five social media properties run on Juniper networks, with more than 4.5 billion updates per day, or 53,000+ updates per second.
- Juniper security customers have an average downtime of just 20 seconds per year. That's 99.9999% of availability, reliability and performance.

Juniper Networks and Ruckus Wireless Deliver High Performance to the Digital Classroom



Ruckus Facts:

- 56,000 customers and 10,000 partners worldwide rely on Ruckus.
- Ruckus proprietary technology, such as BeamFlex+ increase network capacity and throughput, providing a higher return on investment.
- Ruckus Virtual controllers can manage up to 300,000 devices from one instance, making it the most scalable solution for virtually any school district.
- Top school districts and universities already run on Ruckus Wireless, providing WiFi reliability and performance to connected classrooms.
- Schools can enhance education by leveraging Ruckus' Smart Positioning Technology (SPoT) and Beacons in partnership with Gimbal.
- Ruckus Wireless delivers one of the highest return on investment with disruptive TCO, by lowering licensing and support costs, and requiring fewer APs

Learn More

If you need a network to get your district ready for digital learning—one that advances student engagement, enables greater teacher professional development, simplifies your existing operations and enables you to innovate and respond faster to changing needs for less costs—look to Juniper Networks.

Additional information can be found at www.ruckuswireless.com

Also, visit the Juniper website at www.juniper.net