



# RUCKUS Networks

Helping higher education deliver faster, more secure, always-on connectivity

RUCKUS knows what it takes to build a robust, steadfast network for colleges and universities, offering a variety of scalable, efficient, high-performing solutions..

Wireless networks are a critical part of any campus environment. Students, staff and faculty rely heavily on a school network to work, play and stay safe. From virtual classrooms and video conferencing to esports competitions and dorm-room device connections, campus residents and employees count on a strong and reliable network.

With each semester and new class arrival, the need for full-campus coverage, faster transmissions and always-on connectivity increases. Campuses are expected to provide world-class networks that can address the growing usage in:

- High-density cloud usage • Streaming • Social media apps • Building management • Security measures

## Benefits



### Does more with less

#### AI Ops-directed network assurance

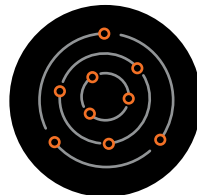
and business intelligence platforms enable lean IT departments to easily manage a converged multi-access public and private enterprise network and deliver exceptional user experience.

#### Zero-touch switches and access points (APs)

minimize the time it takes to update, upgrade or expand the network's footprint, while reducing unintended human errors.

**AI-guided cloud platforms** help limited IT staffs shine by applying machine learning (ML) to prioritize incidents and offer possible root causes and recommendations for speedy repairs.

**SmartMesh™ technology** included in RUCKUS® APs mitigates the need for cabling and lowers installation costs by allowing APs to automatically create a self-organized and self-healing mesh network.



### Delivers pervasive, relentless connectivity

**Patented BeamFlex® technology** in RUCKUS APs offer superior capacity and performance in high-density, high-interference, as well as high-loss RF environments.

**Airtime decongestion** optimizes management traffic by selectively suppressing probe response to free up airtime.

**AI-powered radio resources management and ChannelFly® software** automatically drive down interference by finding the least congested channels and optimizing overall throughput—canceling the need for manual configurations in heavily congested areas.

**Futuristic solutions today**—like RUCKUS R770, the industry's first AI-driven Wi-Fi 7 AP—allow campuses to bypass the Wi-Fi 6E upgrades and prepare their networks for the inevitable deluge of devices that demand the 6 GHz spectrum.



### Provides powerful safeguards

**Exclusive patented technology** like Dynamic PSK™ (pre-shared keys) solution provides guest users, BYOD devices, and internet of things (IoT) devices secure Wi-Fi® access through an easy-to-use, unique 63-byte encrypted access code.

**Cloudpath® Enrollment System** secures every connection with WPA2™/WPA3™-Enterprise as well as simplifies and streamlines user- and device-based authentication for large numbers of employees, students, faculty and guests.

**Built-in IoT radio** for Bluetooth® LE and Zigbee® support—and a USB port for additional expandability—can power campus safety devices such as ID card access, water shut-offs, security cameras, alarms as well as door and window locks where needed.

# Collaborating with partners to offer custom designs and easy deployments for colleges and universities

RUCKUS® Professional Services provides specialized services tailored to higher education environments. Our expertise extends beyond just deploying Wi-Fi® and ICX® switching—addressing the growing reliance on automation and future-proofing networks for scalability and sustainability. Our highly skilled professionals possess in-depth knowledge in all types of networking technologies, to offer superior network designs with seamless integration. With RUCKUS, you can access specialized, hard-to-find skill sets right at your fingertips to optimize your campus and give your school a competitive advantage.



## High-density performance

Penetrate Wi-Fi-unfriendly building materials and deliver superior network performance with RUCKUS APs



## Cloudpath® Enrollment System

Onboard new devices with powerful encryption and secure connectivity for seamless use on entire campus



## Seamless connectivity

Stay connected to the network no matter where you roam on campus



## ICX Ethernet Switches

Scalable, fabric interconnected, delivering high availability and low-latency networks



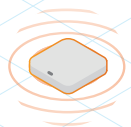
## RUCKUS One®

Keep your always-on network running with AI-driven network assurance and business intelligence platform



## IoT safeguards

Provide a strong layer of protection with security cameras, environmental sensors and panic buttons



## Wi-Fi7

Experience higher throughput and resiliency with RUCKUS indoor and outdoor solutions



## APs with SmartMesh

Provide complete campus coverage without needing Ethernet cabling infrastructure



## Esports excellence

Deliver high-speed, low-latency and reliable connectivity to action-hungry competitors



## RUCKUS AI™

Simplify daily management, reduce network troubleshooting and optimize your network effortlessly



## Sustainable stewardship

Reduce your carbon footprint with smart sensors that promote energy efficiency



To learn more, visit the RUCKUS Higher Education solutions web page online.

[www.ruckusnetworks.com](http://www.ruckusnetworks.com)

Visit our website or contact your local RUCKUS representative for more information.

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