

Purpose-built networking for the modern campus



The higher education challenge

A modern university functions like a compact city, connecting students, faculty, staff, visitors, and critical services across classrooms, residence halls, research facilities, and public venues. Supporting these diverse environments requires IT teams to deliver reliable connectivity, secure access, and consistent digital experiences for thousands of users, devices, and emerging AI-powered applications, often with limited resources and increasing operational complexity.



Challenge #1: Inadequate connectivity

- Students, faculty, and visitors expect seamless connectivity across classrooms, residence halls, libraries, and event venues.
- Connectivity issues can negatively impact learning outcomes, engagement, and student satisfaction.
- AI-powered learning and research applications are creating more dynamic network traffic that legacy infrastructure may struggle to support.



Challenge #2: Managing AI-era campus operations

- AI-enabled learning, research, and administrative tools are changing network traffic patterns across campus.
- IT teams need greater visibility and control to maintain performance across critical applications and services.
- Fragmented infrastructure increases operational effort and slows issue resolution.



Challenge #3: Lean IT teams

- IT teams are expected to support thousands of users and devices across campus with limited resources.
- Student onboarding surges and ongoing operational demands place significant pressure on network staff.
- Manual troubleshooting and disconnected tools reduce time available for innovation and strategic initiatives.

RUCKUS solution

RUCKUS purpose-built networking delivers a consistent experience campus-wide: resilient, high-capacity Wi-Fi, simplified operations, strong security, and actionable AI insights. A complete portfolio unifying Wi-Fi, switching, IoT, and cloud management to elevate student wireless experience, and facilitate IT staff doing more with less.

Why campuses choose us:

- **High-density and AI-enabled campus environments:** Wi-Fi 7 APs, ICX Switching, ProAV solutions, and RUCKUS One deliver reliable performance across lecture halls, dorms, libraries, and research facilities, even as AI-powered applications create increasingly dynamic and bursty traffic patterns.

- **Operational simplicity for lean IT teams:** Unified management across wired and wireless networks with RUCKUS One, AI-driven insights, and automated troubleshooting help IT teams do more with limited resources.
- **Secure onboarding at scale:** Cloudpath and Dynamic PSK (DPSK) streamline secure onboarding for students, faculty, staff, and BYOD devices, helping campuses accelerate move-in and semester-start onboarding, reduce support tickets, and provide secure network access.
- **Data privacy and deployment flexibility:** Support institutional requirements with on-premises deployments using SmartZone and RUCKUS AI, or cloud-managed operations with RUCKUS One and RUCKUS Edge. Universities can choose the deployment model that best aligns with their security, compliance, and operational needs.
- **IoT-enabled campus infrastructure and lower TCO:** Support smart campus initiatives through native IoT integration while reducing infrastructure and operational costs with superior coverage, fewer access points, Campus Fabric simplification, and AI-driven operational efficiency.

RUCKUS proofpoints



Butler University (USA)

Objective: Upgrade Wi-Fi network, eliminate dead zones around campus, deliver connectivity across 300 acres, and reduce CapEx & OpEx.

Results: Faster wireless speeds, ubiquitous coverage, simpler management and over \$1M in cost savings.



University of Akron (USA)

Objective: Upgrade campus networking with Wi-Fi 7, ICX switching, and RUCKUS Edge to improve student experiences, streamline onboarding, and support future campus growth.

Results: 100% fewer move-in week tickets, 30% fewer IT tickets, 300% higher device density, 50% more internet capacity, and seamless support for 15,000 concurrent users.



Christ University (India)

Objective: Standardize Wi-Fi across six campuses, eliminate coverage gaps and peak-hour congestion, improve security, and support high-density learning environments for 40,000+ students.

Results: 40% reduction in unplanned downtime, lower CapEx with fewer access points, more reliable high-density performance, improved security, and simplified network management across all campuses.

The RUCKUS advantage



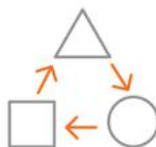
Performance

A RUCKUS network consistently delivers the required network performance to every end user, no matter how challenging the environment.



Simplicity

RUCKUS Networks provides a single platform to manage multiple access networks with zero-touch provisioning and simple, intuitive management.



Adaptability

Our interchangeable deployment options offer easy capacity expansion for future flexibility and investment protection.



Innovation

RUCKUS Networks delivers patented RF core technologies, AI-driven cloud RRM, AI-driven network assurance and more.



Interoperability

Open APIs enable RUCKUS technologies to integrate with third-party and homegrown applications.