



ONE NETWORK

for Higher Education



Seamless online experiences.

Reduce Wi-Fi Total Cost by 30% or More and Simplify Microsoft Azure Integration

Simplify the network and deliver exceptional digital experiences.

Every aspect of higher education depends on being connected.

- Increase the coverage and capacity
- Reduce equipment and installation costs
- Microsoft Azure integration makes it easy for users to access the network

Cambium Networks' **ONE Network** Enables Excellence in Education with Best-in-Class Total Cost of Ownership.

“The integrated authentication system allows users to connect to a wireless network using their Azure account. This eliminates the need to create and manage passwords for each user.”

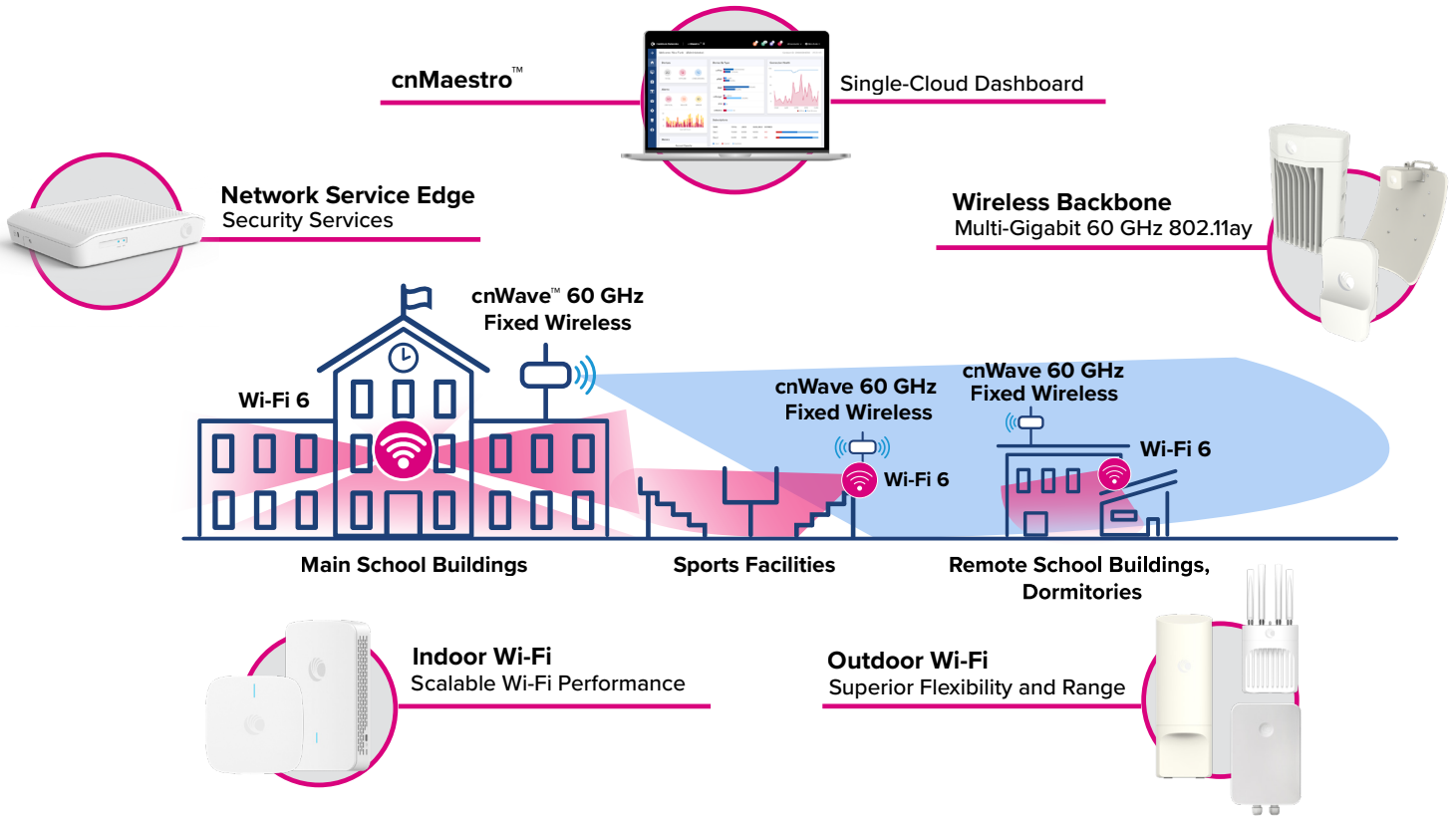
- Raul Romanos de Diego, IT director for La Salle Bonanova school in Barcelona

Cambium solutions are proven in higher education environments around the world.

- Reduce infrastructure total cost by 30% or more with decreased equipment and infrastructure requirements with high-density APs, long-range outdoor APs, and eliminating central controllers
- Reduce troubleshooting resolution times by 90%+ with cnMaestro X Assurance for troubleshooting and root cause analysis
- Reduce outdoor backhaul TCO by 80%+ with multi-gigabit fixed wireless solutions compared to fiber/wired alternatives

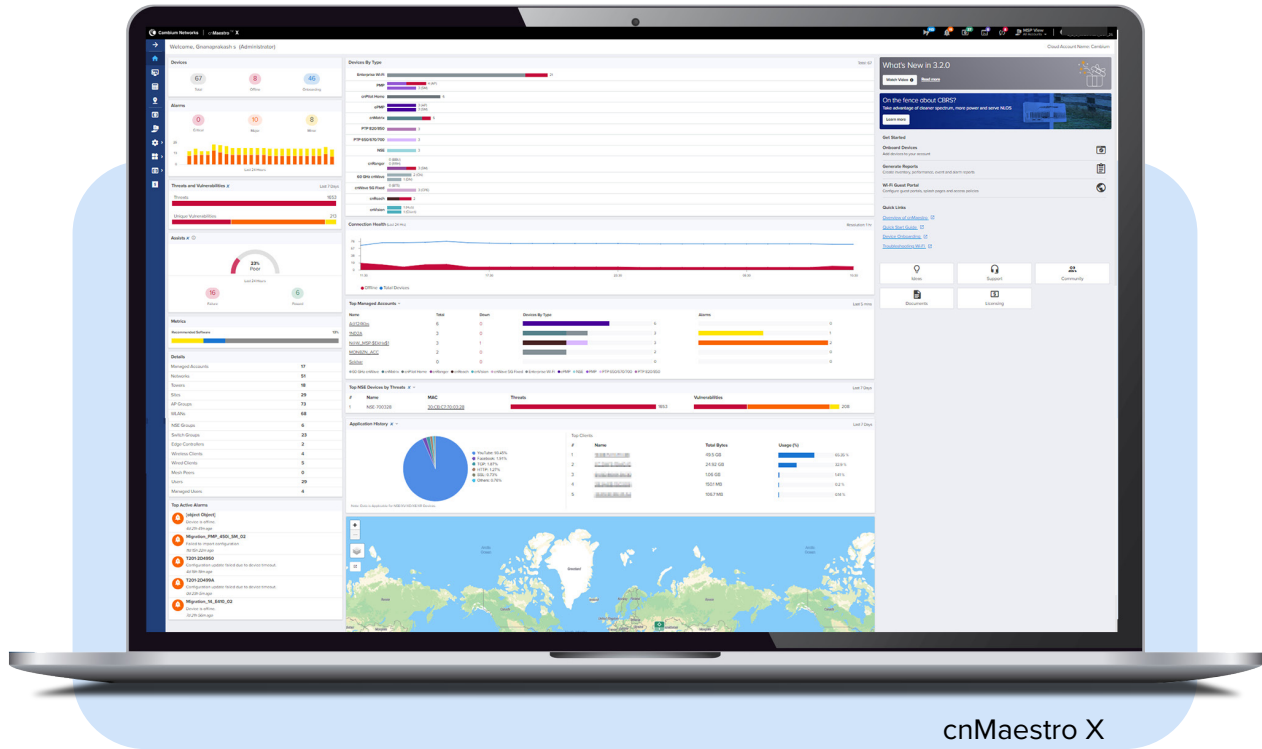
Cambium's ONE Network Just Works.

One IT Experience with Common Management



ONE Network for Higher Education

Management & Applications	Wi-Fi Access Points	Ethernet Switches	Outdoor LAN Extension	Security & SD-WAN
<ul style="list-style-type: none"> • End-to End Management • Cloud or On-Premises Options • Wireless Network Planning • Simplified, single-cloud dashboard 	<ul style="list-style-type: none"> • Indoor Wi-Fi 6/6E • High-Density Wi-Fi 6/6E • Long-Range Outdoor Wi-Fi 6/6E • Scalable while using less equipment 	<ul style="list-style-type: none"> • Gigabit Ethernet • Multi-Gigabit Ethernet • Ruggedized Gigabit Ethernet • PoE/PoE+/PoE++ 	<ul style="list-style-type: none"> • 802.11ay • 60 GHz: Up to 3.8 Gbps at 40m at <30% cable/fiber cost • Point-to-Multipoint Distribution • Point-to-Point Backhaul • Licensed Microwave 	<ul style="list-style-type: none"> • Firewall and IoT Security • SD-WAN Edge • LAN Vulnerability Assessment • Network Services



cnMaestro X

Simple and Sophisticated Management

cnMaestro X offers elastic scalability and single-pane-of-glass management to deliver secure, end-to-end network management that simplifies operations and ongoing maintenance of the wired and wireless network.

- **Simplified Dashboard** - Non-technical operators can easily identify and resolve issues
- **Application Control** - Visibility, prioritization and rate control of 2,400+ applications across wireless and wired clients
- **Advanced Access Control** - Flexible onboarding and captive portal capabilities including integration with Google Workspace™ and Microsoft Azure™ application ecosystems
- **Long-Term Historical Data** - One-year data retention for enterprise devices and two years for fixed wireless devices

Client Life Cycle Management with cnMaestro X Assurance

AI-based advanced troubleshooting and analytics for Wi-Fi clients; connections and related data are analyzed to detect issues and root cause identified to help IT administrators improve the end-user experience on their networks.

Key Benefits:

- Single console for the network – Wi-Fi, Switching, Security, Fiber and Fixed Wireless
- Simple and easy-to-navigate user interface for fast time to productivity
- Powerful troubleshooting tools for rapid problem resolution
- Flexible integration and extensibility via APIs and webhooks

Why Choose Cambium Wi-Fi?

Cambium Networks solutions meet schools' infrastructure needs. Highly scalable to meet the ever-expanding demand for capacity and density, they are able to optimize performance for critical applications, simple to manage for non-technical IT staff, and appropriately priced to deliver value across a wide range of school types and needs.

Cambium's ONE Network – The only industry provider that combines enterprise networks (Wi-Fi, switching, security, SD-WAN) with outdoor backhaul (wireless, fiber) in one holistically managed solution.

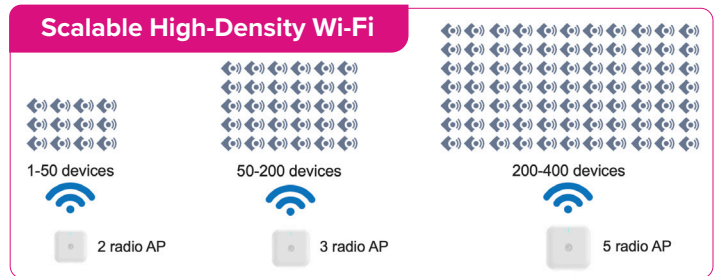
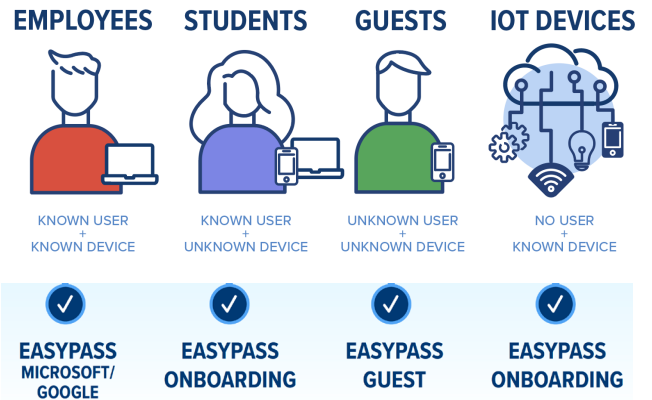
Easy Onboarding – Comprehensive access control for quickly and easily connecting student, teacher, guest and IoT devices, including direct SSO integration with Microsoft Azure and Google Workspace.

Scalable High-Density Wi-Fi – The most scalable Wi-Fi in the industry with 2 to 5 radio solutions right-sized for offices and classrooms up to auditoriums and stadiums, resulting in less equipment and lower TCO.

Application Aware – Full-function application visibility and control extending from the edge to backhaul, able to deliver consistent performance for learning applications, even in congested networks.

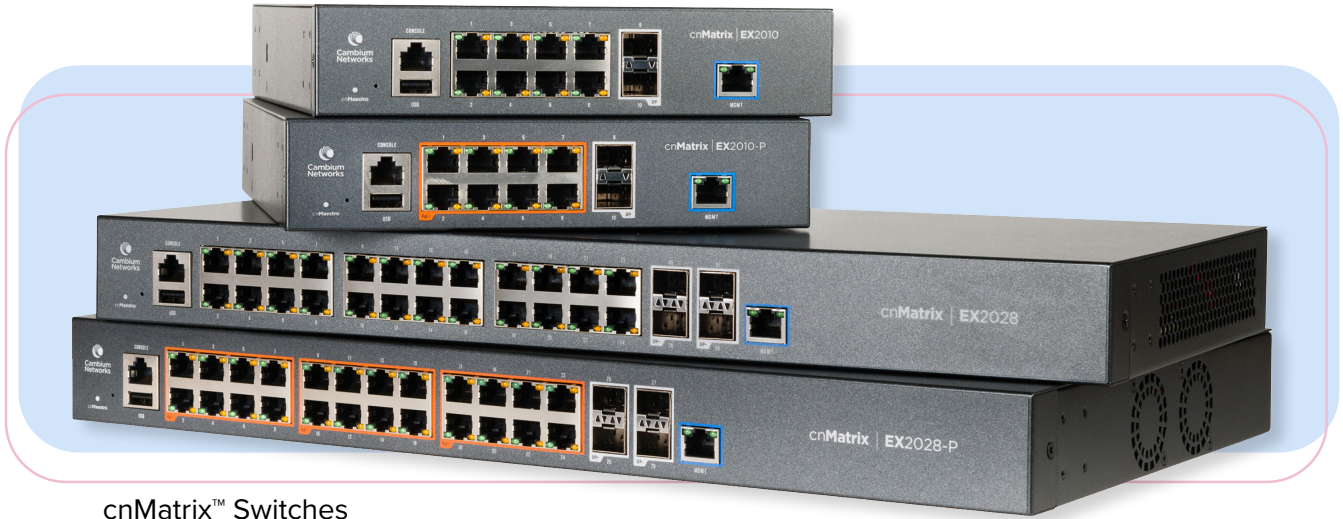
Flexible Management – Cloud-based or on-premises and license-free or advanced management options that satisfy simple to sophisticated requirements.

“Given the COVID situation, students have had to conduct exams online. I am pleased to advise that the Cambium Wi-Fi works flawlessly”
- Anthony Welsh, COO, Queen's College



“Cambium Wi-Fi APs provide the scalability, the distributed architecture, the ability to upgrade and most importantly the performance that delights our students and faculty.”
- Timothy Carlyle, Director of Network Computing and Senior UNIX Administrator, Northwest Missouri University School for Boys

Wireless-Optimized Switch Solutions that Simplify Operations



cnMatrix™ Switches

Maximize Wireless Network Efficiency

- **Integrates seamlessly** with Cambium Wi-Fi, security and outdoor wireless as an end-to-end managed network
- **Multi-gigabit speeds and Power over Ethernet** optimized to support high-performance wireless access points and subscriber nodes
- **Indoor and ruggedized solutions** for all types of deployment environments

Policy-Based Automation (PBA)

A unique approach to network automation that simplifies IT administration of the switching network

- **Zero-touch simplicity:** Automates moves/adds/changes and eliminates the need to color code ports
- **Automated security:** Programmable device profiling, network segmentation and policy enforcement; automatic port clean-up on device disconnects
- **Error-free operations:** Reduce time, effort and human error by removing the need for manual configuration



Robust Security

Campus Network Edge Defense

- **Audit security vulnerabilities** for devices on your network and get notified when critical vulnerabilities are discovered
- **Create advanced firewall layer-3** and application-based rules to protect your network; use advanced geo-IP filters to deny or allow traffic to/from specific countries
- **Shut down traffic to known malware sites** with a malware offender database that is continuously updated to guard against emerging bad actors
- **Enable intrusion detection and prevention** with a single click—our industry-leading IPS engine instantly protects your network against threats and supports community and paid premium rules



With Cambium Networks, we have complete end-to-end solutions that are simple to integrate and operate. When you consider the amount of time you will need to integrate security functions, Wi-Fi, switching and the rest, Cambium delivers real value that can't be beat."

- Christian Cantrell, CEO, MSP LockedHeart Technologies



Network Service Edge (NSE)

The NSE 3000 provides a comprehensive set of security and WAN services for remote or small/medium locations. With throughput up to 1 Gbps, it boasts an industry-leading IDS/IPS engine, advanced application and geo-IP firewalls, LAN vulnerability assessment, anti-malware protection and SD-WAN services. The NSE is managed via cnMaestro as part of the Cambium ONE network.



Traditionally, adding Wi-Fi

network capacity and coverage in outdoor type environments meant more access points, more installation work and complexity. Cambium Networks makes it easy to scale with its distributed architecture, software-defined radios, high-density multi-radio access points and an integrated controller. It is as close to plug and play as we have seen.”

- Peter Cappiello, CEO, Future Technologies Venture



Cambium Networks™

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