



# ONE NETWORK

for Primary/Secondary  
Education



Seamless online experiences.

# Reliable & Efficient Wi-Fi Is Mission Critical for Education

**Simplify the network and deliver exceptional digital experiences.**

Adaptive, inquiry-based and collaborative learning require robust, in-class online access. Schools adopting new digital learning technologies, remote learning and online testing are often challenged by these requirements as well as by lean IT staffs. Schools need to deliver excellent education for each student while staying within limited budgets.

**“We are a better place for teaching and learning due to the wireless network. The teachers can keep focused on teaching, and the students can connect freely.”**

*- Paul Whitehead, Deputy Head, Brine Leas School*

**Cambium Networks’  
ONE Network  
Enables Schools to Deliver  
Excellence in Education  
with Best-in-Class Total  
Cost of Ownership.**

**“There are currently around 3,000 connected devices on our network. We are pleased to have Cambium Networks as a reliable partner to ensure our entire school campus was provided with high-quality and secure wireless connections.”**

*- Bernd Buchmaier, Head of IT Infrastructure Services, International School of Luxembourg*

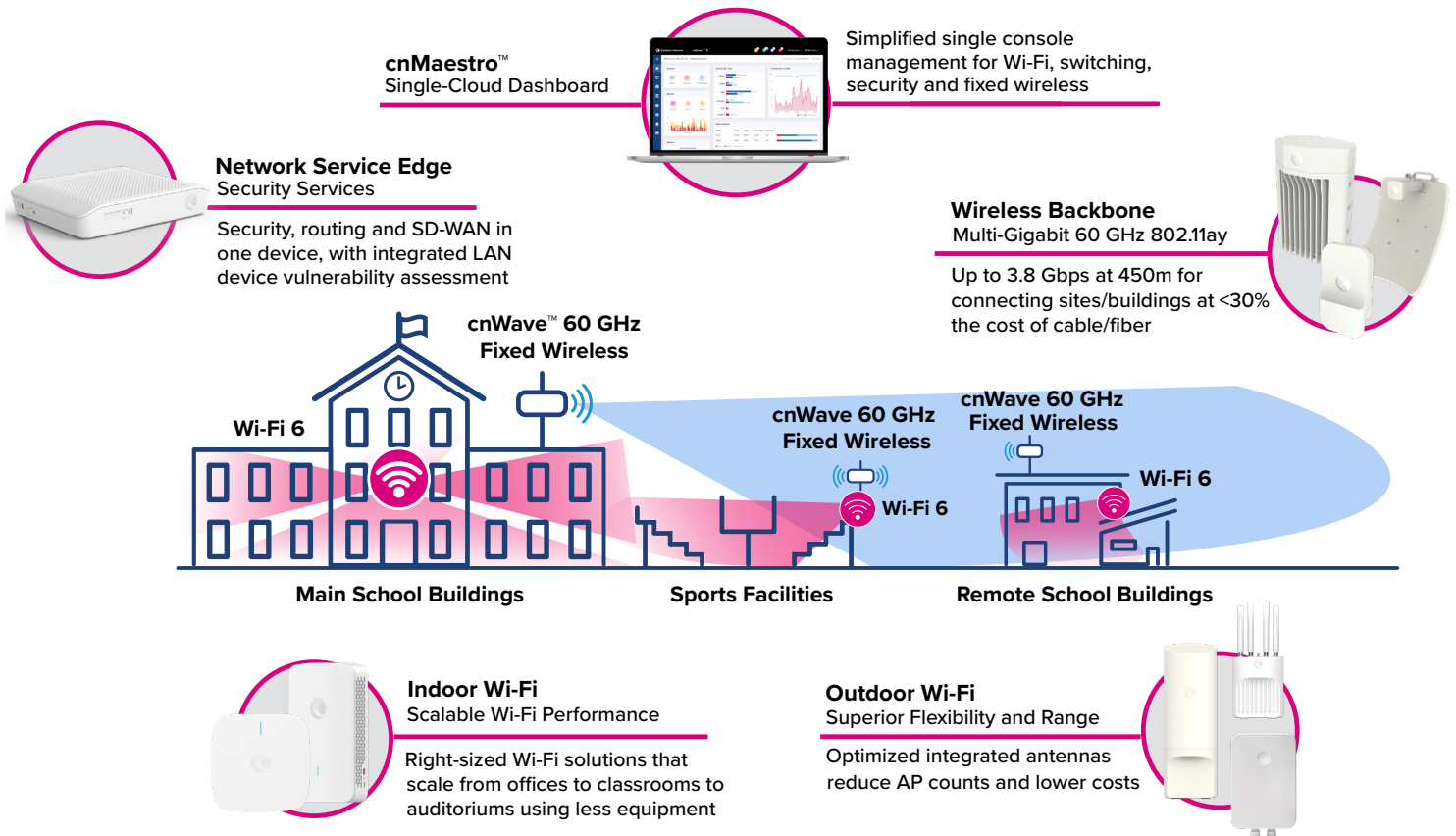
Cambium solutions are proven to meet the connectivity needs in today’s classrooms in thousands of primary/secondary deployments around the world.

- Identify and prioritize critical education applications with an app-intelligent network
- Simplify onboarding for thousands of classroom and IoT devices
- Centrally manage large school networks with a lean IT staff
- Reduce the amount of access points, cabling and infrastructure to connect more users with less budget

**Cambium’s ONE Network Just Works.**

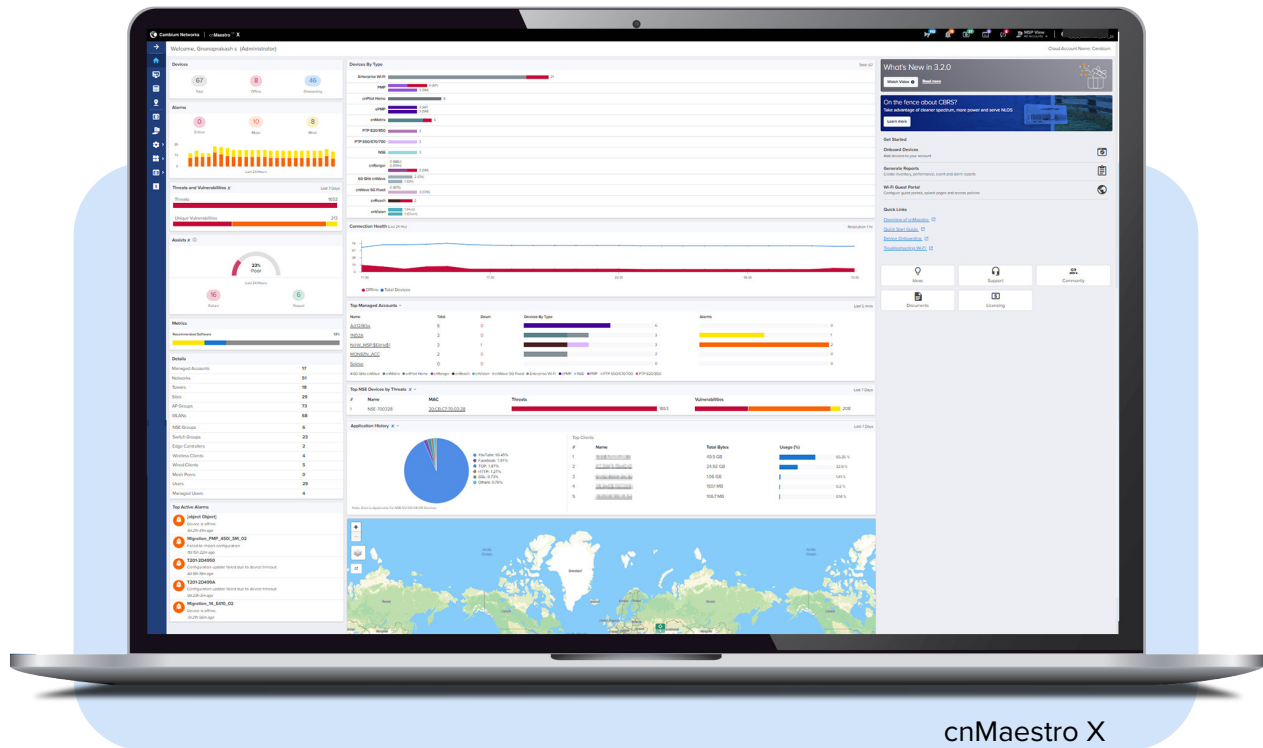


# One IT Experience with Common Management



## Cambium Networks Solutions for Education

Management & Applications	Wi-Fi Access Points	Ethernet Switches	Outdoor LAN Extension	Security & SD-WAN
<ul style="list-style-type: none"> <li>• End-to End Management</li> <li>• Cloud or On-Premises Options</li> <li>• Wireless Network Planning</li> </ul>	<ul style="list-style-type: none"> <li>• Indoor Wi-Fi 6/6E</li> <li>• High-Density Wi-Fi 6/6E</li> <li>• Long-Range Outdoor Wi-Fi 6/6E</li> </ul>	<ul style="list-style-type: none"> <li>• Gigabit Ethernet</li> <li>• Multi-Gigabit Ethernet</li> <li>• Ruggedized Gigabit Ethernet</li> <li>• PoE/PoE+/PoE++</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11ay 60 GHz</li> <li>• Point-to-Multipoint Distribution</li> <li>• Point-to-Point Backhaul</li> <li>• Licensed Microwave</li> </ul>	<ul style="list-style-type: none"> <li>• Firewall and IoT Security</li> <li>• SD-WAN Edge</li> <li>• LAN Vulnerability Assessment</li> <li>• Network Services</li> </ul>



## 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.

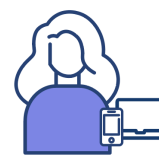
**Flexible Management** – Cloud-based or on-premises and license-free or advanced management options that satisfy simple to sophisticated requirements.

**Good Wi-Fi connectivity means**  
I can do my work really quickly without worrying about the Wi-Fi buffering.”  
- Student

## EMPLOYEES STUDENTS GUESTS IOT DEVICES



KNOWN USER  
+  
KNOWN DEVICE



KNOWN USER  
+  
UNKNOWN DEVICE



UNKNOWN USER  
+  
UNKNOWN DEVICE



NO USER  
+  
KNOWN DEVICE



**EASYPASS**  
MICROSOFT/  
GOOGLE



**EASYPASS**  
ONBOARDING



**EASYPASS**  
GUEST



**EASYPASS**  
ONBOARDING

## Scalable High-Density Wi-Fi



1-50 devices



2 radio AP



50-200 devices



3 radio AP



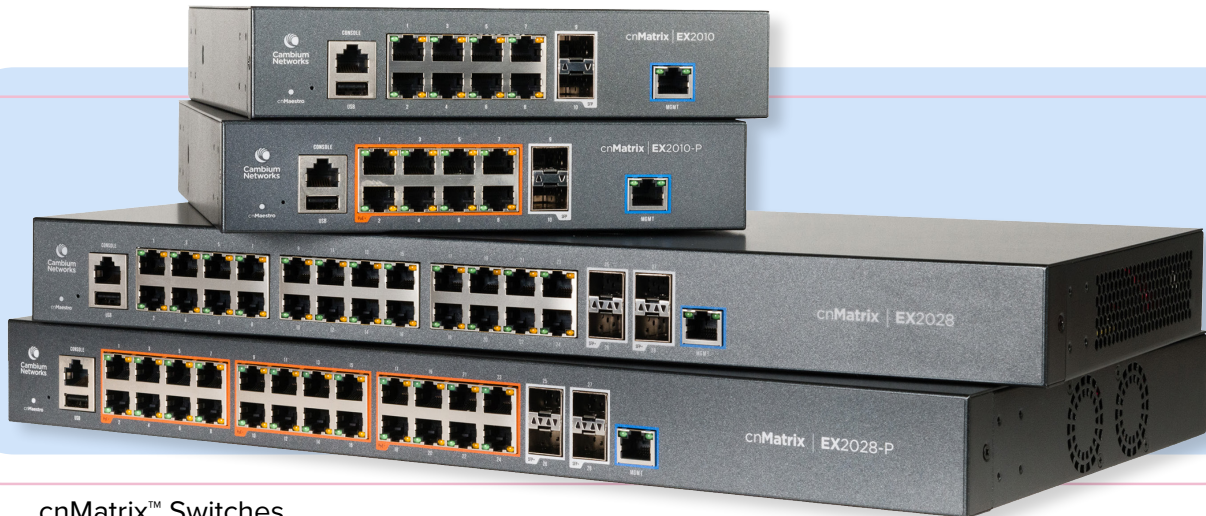
200-400 devices



5 radio AP

**Working with Cambium Networks**  
has helped us realize our vision of a serverless school— which would not have been possible without having robust wireless infrastructure in place.”  
- Nick Berryman, Assistant Headteacher, Devonport School for Boys

# Wireless-Optimized Switch Solutions that Simplify Operations



cnMatrix™ Switches

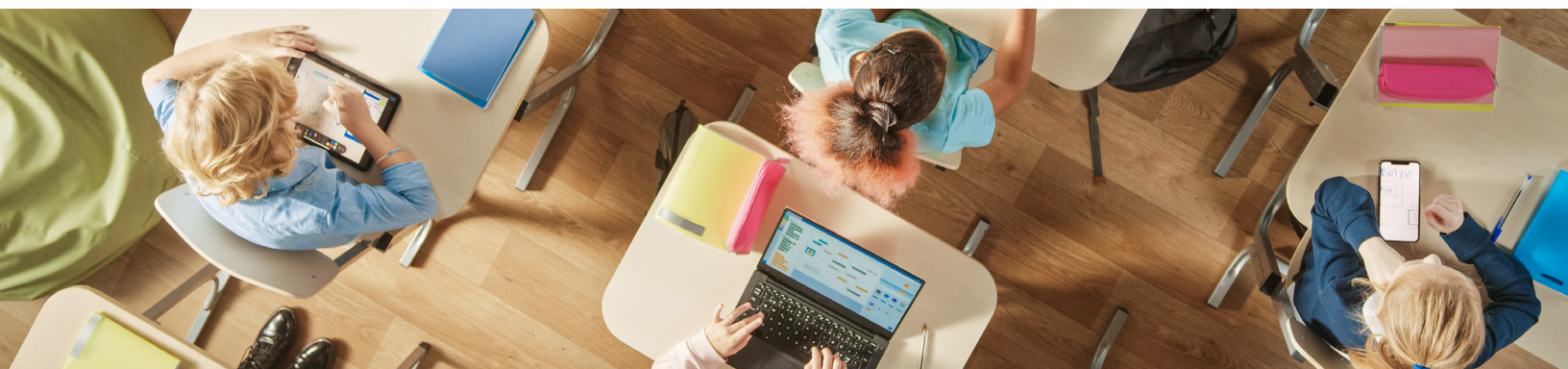
## Maximize Wireless Network Efficiency

- **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 for Schools

## 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



## 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.



- **Highly Qualified Partners** - Cambium-certified partners provide assistance in design, installation, provisioning and support to optimize network performance.
- **Warranty** - Cambium's indoor Wi-Fi APs include a limited lifetime warranty, and switches include a 5-year warranty, to provide peace of mind for your investment.
- **Support** - Cambium Networks offers comprehensive 24x7 support options so IT teams get the help they need.



# Cambium Networks™

Connecting Your World. Dynamically.

**USA Headquarters**

3800 Golf Road, Suite 360  
Rolling Meadows, IL 60008

+1 888 863 5250

**USA Thousand Oaks Office**

2545 Hillcrest Dr, Suite 220  
Thousand Oaks, CA 91320

**USA San Jose Office**

2590 N. 1st Street, Suite 220  
San Jose, CA 95131

**India Office**

Cambium Networks Consulting  
Private Ltd  
5th Floor, Quadrant 1, Umiya  
Business Bay, Tower 2,  
Outer Ring Road,  
Kadubisenahalli, Varthur Hobli  
Road, Bangalore East

+91 80 67333100

**UK Office**

Unit B2, Linhay Business Park  
Eastern Road Ashburton,  
United Kingdom, TQ13 7UP

+44 1364 655500

[cambiumnetworks.com](http://cambiumnetworks.com)