



Cambium Networks™

ONE NETWORK

for Oil & Gas Industries



Connecting Your World. Dynamically.



Meet the connectivity demands of a demanding environment.

Manage the Network, Not the Elements.

Provide top-notch digital experiences with a minimum of IT resources. With Cambium Networks' comprehensive portfolio of wireless, wired, security and SD-WAN solutions, you can deliver high-capacity broadband to wellheads, drilling rigs, and processing facilities with technology that simply works. Multiple products meet ATEX/HAZLOC requirements and enable you to focus on your business and applications rather than individual network elements.



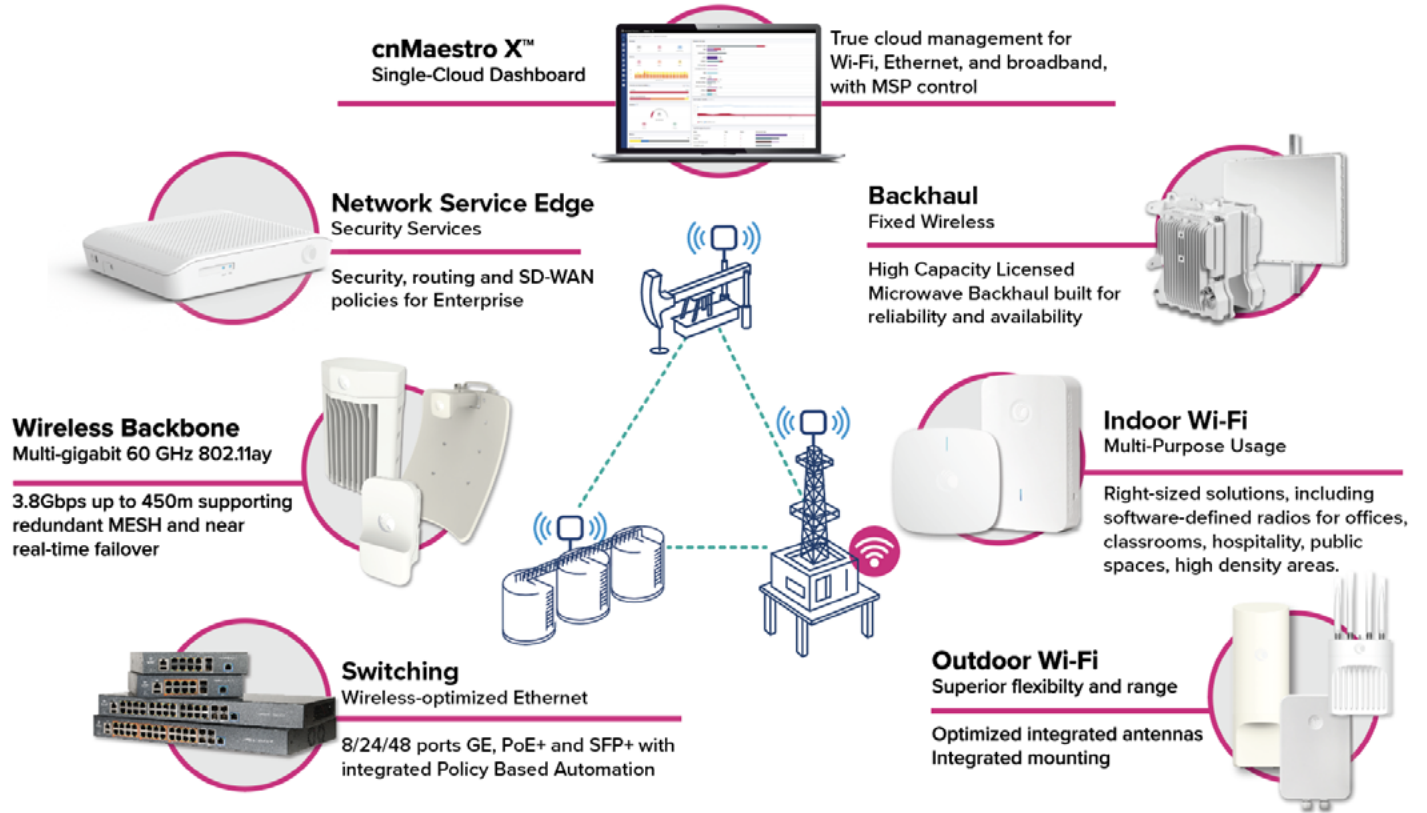
Cambium Networks'
ONE NETWORK
Enables You to Achieve
Best in Class Total Cost
of Ownership.

Cambium's approach to building networks leverages our decades long foundation of providing wireless network solutions that deliver:

- ONE converged IT Experience that simplifies operations
- Best in class operational efficiency delivered by intelligent automation
- Consistently predictable performance enabled by application optimization

Connectivity that just works

One IT Experience with Common Management



Cambium Networks Industrial Solutions

Management	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 	<ul style="list-style-type: none"> • Indoor Wi-Fi 6/6E • High density Wi-Fi 6/6E • Wall/desktop mount Wi-Fi 6 • Outdoor Wi-Fi 6/6E 	<ul style="list-style-type: none"> • Gigabit Ethernet • Multi-gigabit Ethernet • Ruggedized Gigabit Ethernet 	<ul style="list-style-type: none"> • 802.11ay 60 GHz • 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



Use Cases

- ❖ Mobile / Nomadic Users
- ❖ SCADA
- ❖ Automation
- ❖ Work-Flow Automation
- ❖ Machine to Machine (M2M)
- ❖ Push to Talk
- ❖ General Data Connectivity
- ❖ Video Surveillance

Why Choose Cambium Networks

Simple Onboarding for Users and Devices

Make it easy to onboard users, whether they are employees, guests or IoT devices. Directly integrate with Microsoft Azure and Google G-suite for Single-Sign-On (SSO) with your applications and Wi-Fi

Sustainability

Technology performs reliability for years with forward and backward compatibility

Reliability

Solutions are easy to deploy and manage. Technology that performs from day one for years

Purpose-Built Solutions

Designed specifically to perform in harsh environments and deliver low TCO. Application Intelligence at the Edge

Application Intelligence at the Edge

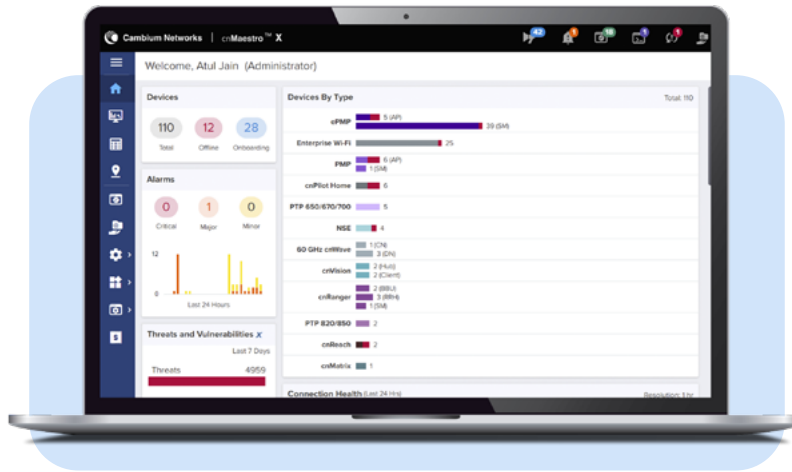
Deliver the best possible user experience to everyone. Identify and control access to more than 2,400 applications directly in the AP and select to prioritize, limit or block access.

Ultra-long Range Outdoor Wi-Fi

High efficiency antenna technology enables significantly greater outdoor Wi-Fi coverage across campus networks and public hotspots. Less equipment and supporting infrastructure is required, resulting in lower TCO.

Scalable and Secure Roaming

Cambium's ePSK provides unique Wi-Fi security credentials per user to enable seamless, secure roaming across a property. Unmatched scalability is supported - up to 2000 ePSKs per access point.



Simple and Sophisticated Management

cnMaestro X offers elastic scalability and a single-pane of glass management to deliver secure, end-to-end network and wireless lifecycle management to simplify operations and ongoing maintenance on the wired and wireless network. The solution includes:

- **APIs and Webhooks** - Restful APIs and Webhooks for integration with existing OSS/BSS systems and event monitoring.
- **Long-Term Historical Data** - 2-year data retention for FWB and 1-year data retention for Enterprise and IIoT devices.

Advanced captive portal capabilities: 500 portals, 30,000 max vouchers, 1-year client login history

Client Life Cycle Management with New cnMaestro X + Assurance

To simplify operation, the system manages the complete life-cycle of your Cambium network – onboarding, configuration, troubleshooting and reporting.

Key benefits:

- Single console for the network – Wi-Fi, Switching, Security, 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



Centralized integrated communication systems deliver real value to energy providers. Incremental improvements are time consuming and can only get you so far—but by focusing on solving centralized management of the end-to-end network, we reduced the total project timeline by 25%.”

– Peter Cappiello, CEO, Future Technologies Ventures (a Premier Cambium Networks integrator partner)

Wireless-optimized Switch Solutions that Simplify Operations



cnMatrix Switches

Maximize Wireless Network Efficiency

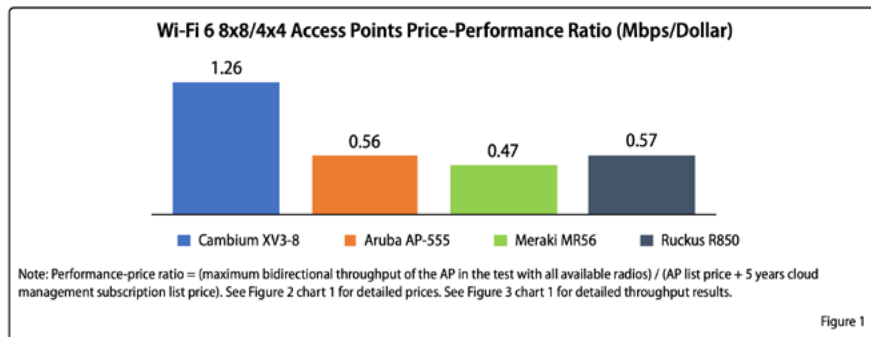
- **Integrates seamlessly** with Cambium Wi-Fi, security and outdoor wireless as an end-to-end managed network
- **Multi-gigabit speeds and Power over Ethernet** optimized to support high performance wireless access points and subscriber nodes
- **Indoor and ruggedized solutions** for all types of deployment environments
- **TX series ruggedized switches** - purpose built switches for outdoor fixed wireless solutions that deliver power and synchronization.

Policy Based Automation (PBA)

Explore a unique feature in the access switching industry.

- **Zero-Touch Simplicity:** 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 mistakes by removing the need for manual configuration

Proven Best in Class Total Cost of Ownership



The Tolly Group, an independent testing analysis organization, tested Wi-Fi 6 access points and concluded that Cambium Networks’ products outperformed Aruba, Meraki (Cisco) and Ruckus in performance and total cost of ownership.

Read the report here: www.cambiumnetworks.com/blog/new-tolly-group-report-ranks-wi-fi-6-access-points-from-cambium-networks-highest-for-performance-among-major-brands/

Robust Security for Industrial Applications

Enterprise Edge Defense

- **Enable intrusion detection and prevention** with a single click—our industry-leading IPS engine instantly protects your network against threats. The IDS engine supports community and paid premium rules.
- **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.
- **Get an audit of security vulnerabilities** for devices on your network—and get notified when critical vulnerabilities are discovered.



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.

96% of surveyed resellers and MSPs are likely to recommend **Cambium Networks** to their customers.

Source: 2022 Survey

- **Purpose Built**
- **Reliable**
- **Sustainable**
- **Single Pane of Glass Management**
- **Proven TCO**
- **Trusted Support**



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