



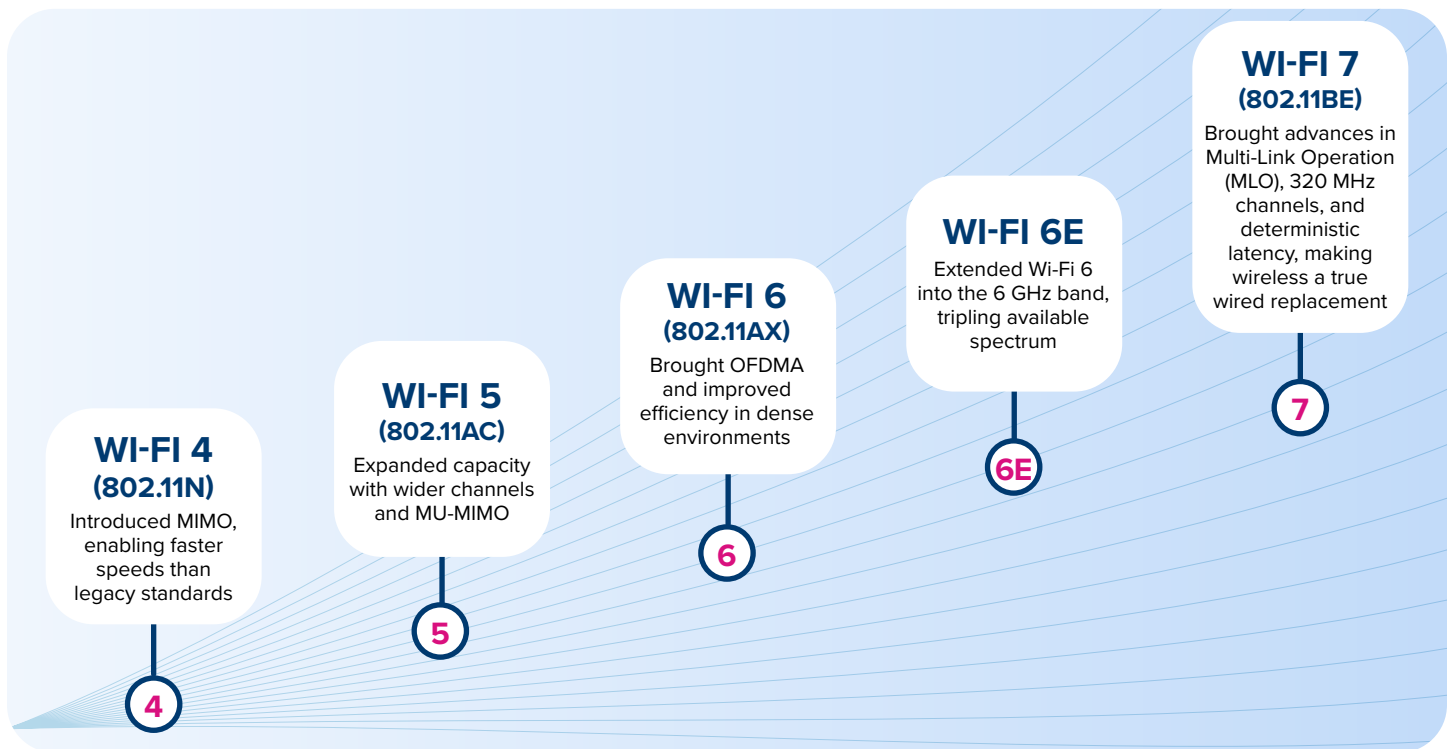
# Unleashing the Power of Wi-Fi 7

Wi-Fi technology continues to evolve, each generation bringing new capabilities that expand what enterprises can achieve with wireless. Wi-Fi 7 is the next major leap in enterprise wireless technology, enabling higher throughput, lower latency, and more predictable performance for today's most demanding applications.

Wi-Fi 7 solutions from Cambium Networks are designed to provide higher speeds and deliver predictable performance, resiliency, and simplicity across the entire network. Unified through Cambium's ONE Network architecture managed via cnMaestro™ and complemented by cnMatrix™ multi-gigabit switches and next-generation firewalls, these solutions deliver a robust, scalable foundation ready for the demands of today and tomorrow.

## Evolution of Wi-Fi

The journey to Wi-Fi 7 is one of continuous improvement in performance, efficiency, and reliability:



On top of higher throughput, Wi-Fi 7 enables greater resiliency and responsiveness, helping organizations in making wireless a dependable platform for high-density and latency-sensitive applications.



## Use Cases and Applications

Wi-Fi 7 opens opportunities across a range of practical scenarios. Cambium's solutions are designed for environments where performance and reliability directly impact user experience and business outcomes:



### High-Density Environments:

Campuses, auditoriums, and stadiums where thousands of users connect simultaneously, demanding consistent throughput and seamless roaming



**Education:** Digital classrooms and campus-wide networks requiring seamless coverage and high capacity for both students and staff



### Mission-Critical Operations:

Healthcare, industrial automation, and logistics workflows requiring low latency and carrier-grade reliability



### Hospitality and Retail:

Guest Wi-Fi and point-of-sale systems that demand consistent, high-quality wireless access



### Smart Cities and Public Wi-Fi:

Urban connectivity infrastructure supporting residents, visitors, and IoT deployments



**Service Providers:** Leveraging Wi-Fi data offload to enhance mobile data subscribers' experience without manual Wi-Fi onboarding

## Cambium's Wi-Fi 7 Solution

Enterprises need more than high-performance access points. They need a fully integrated wired and wireless platform that is manageable, resilient, and built to scale. Cambium delivers this through four core pillars:

**WI-FI 7 ACCESS POINTS:** Cambium's Wi-Fi 7 portfolio addresses a broad range of deployment needs:

- **X7-35X:** Multipurpose tri-band 2x2 access point balancing performance and flexibility for mainstream enterprise deployments
- **X7-55X:** High-performance software-definable tri-band 4x4 access point designed for the most demanding, high-capacity, enterprise environments
- **X7-53X:** Cost-effective dual-band 4x4 access point optimized for strong performance with deployment efficiency requirements



**cnMATRIX™ MULTI-GIGABIT SWITCHING:** With uplinks up to 25 Gbps and PoE delivery up to 90W per port, scaling to support Wi-Fi 7 requirements, and supporting the power and bandwidth needs of servers, desktops, IP cameras, VoIP systems, and IoT devices

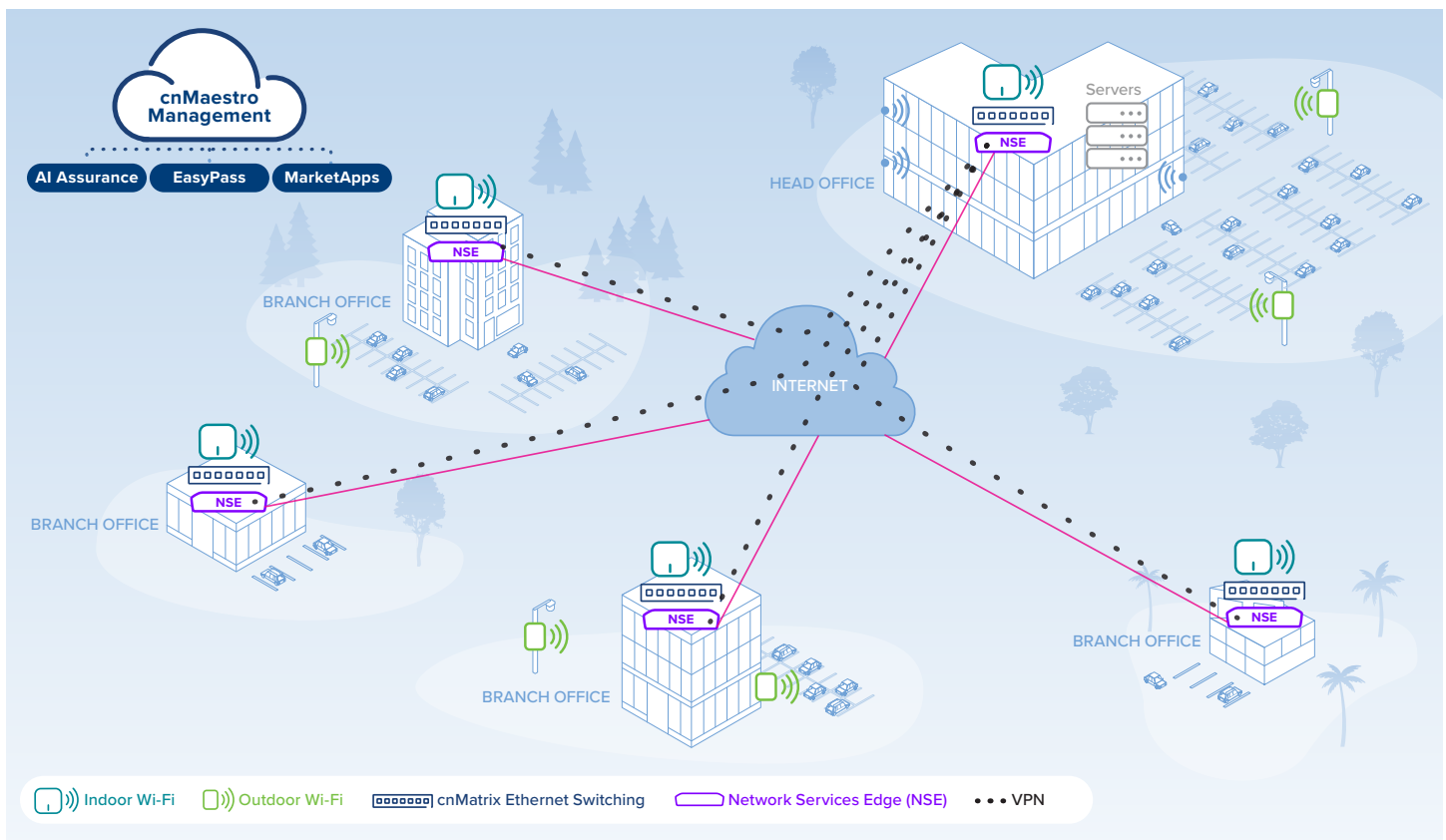
**NETWORK SERVICE EDGE (NSE) NEXT-GENERATION FIREWALL:** Integrates SD-WAN, advanced security, and network services into a unified solution

**cnMAESTRO NETWORK MANAGEMENT:** Cloud-based or on-premises software platform for secure, end-to-end network control, optimizing system availability, maximizing throughput, and meeting emerging needs of enterprise customers

**cnMaestro includes:**

- **MarketApps:** Extends Cambium’s ONE Network with microservices-based applications with tailored capabilities to reduce complexity and total cost of ownership
- **Assurance:** Uses AIOps to identify issues faster, reduce downtime, and simplify troubleshooting for a new level of network quality
- **EasyPass:** Simplifies secure onboarding for guests, employees, students, BYOD, and IoT devices
- **Application Control:** Along with the Aps, provides application visibility and policy control across thousands of applications
- **APIs:** Enables integration with third-party platforms and custom workflows.

Together, these elements form a complete high-performing solution that is both resilient and simple to operate.





## Stronger Portfolio, Smarter Network

By integrating Wi-Fi 7 access points with cnMatrix switches, NSE Next-Gen Firewall, and cnMaestro network management, Cambium strengthens its enterprise portfolio and extends its value across the most demanding deployment scenarios. Customers gain:

- **Future-Proof Performance:** Purpose-built for next-generation applications and evolving connectivity demands
- **Resilient Architecture:** Ensured uptime and reliability through MLAG, multi-gigabit switching, and HA firewall clusters
- **Simplified Operations:** Unified ONE Network management with built-in MarketApps, Assurance, and EasyPass capabilities in a cloud-based service

## Empowering the Next Era of Connectivity

Cambium's Wi-Fi 7 solutions are about more than just speed. As part of Cambium's ONE Network, they deliver resiliency, simplicity, and scale for real-world enterprise deployments. Organizations can confidently deliver **Connectivity That Just Works**, today and into the future.

## About Cambium Networks

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences and device connectivity with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.

