

A man with a beard and glasses, wearing an orange shirt, is sitting and using a tablet. He is smiling and looking at the screen. The background is a blurred indoor setting with a plant.

IT'S TIME TO RETHINK WI-FI

Shift to exceptional experiences
with AI-native Wi-Fi

Wi-Fi demands are rising fast. An explosion of devices, IoT, applications, and user expectations is pushing networks beyond what they were originally designed to do. When traditional architectures fall behind, it's time to rethink how Wi-Fi works—and what it can deliver.

Wi-Fi needs AI

Today's networks are under constant pressure. Users expect seamless, high-performance Wi-Fi everywhere. IT teams must support more devices, more bandwidth-intensive applications, and mission-critical experiences—often with lean IT teams and limited access to subject matter expertise.

Traditional Wi-Fi architectures weren't built for this reality. They struggle to scale, rely on manual troubleshooting, and lack the intelligence to adapt or predict problems before users notice them.

As a result:

- User experiences suffer when Wi-Fi can't keep up
- Teams remain reactive instead of proactive
- Complexity grows as IoT and device density increase

High-performance Wi-Fi has become a business necessity, and AI can help you deliver.

The challenge with today's Wi-Fi

- Managing multiple locations with fragmented tools
- Manual operations that slow IT teams down
- Networks that can't adapt as demands change

Without AI at the core, Wi-Fi remains reactive and complexity keeps growing.

Shift to secure, AI-native Wi-Fi

To meet today's demands and prepare for what's next, organizations need to rethink how Wi-Fi is built, deployed, and managed. The solution is a **secure, cloud-native, AI-native Wi-Fi architecture**.

By centralizing management in the cloud and embedding AI into operations, IT teams can move from reactive firefighting to proactive optimization—without adding complexity.

A cloud-native, AI-native approach enables you to:

- Centralize control across locations
- Automate operations and troubleshoot faster with AI insights
- Scale to support more users and devices
- Enhance security with AI-powered threat detection, and more precise IoT device discovery and profiling.

Instead of guessing, your network learns, predicts, and simplifies. This makes Wi-Fi more reliable, secure, and easier to operate at any scale.

The cost of standing still

Doing nothing costs more than you think.

According to Gartner®, Inc. "By 2028, 35% of enterprises will use artificial intelligence to improve network operations and resilience, which is a major increase from fewer than 10% in 2025."¹

Waiting means higher risk, higher costs, and missed innovation.

¹ [Gartner, Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure](#), June 25, 2025

AI keeps Wi-Fi reliable and predictable

AI-native Wi-Fi isn't just faster. It's smarter.

Advanced, agentic AI from HPE continuously analyzes performance, correlates user and device behaviors, optimizes configurations, and resolves issues automatically—often before anyone notices a problem.

The impact is real and measurable:

- Up to 90% fewer wireless trouble tickets (ServiceNow)
- Up to 9x faster deployment times (Dartmouth College)
- Up to 85% fewer truck rolls (The Gap Inc.)

For IT teams, this can change everything. They gain tools and insights to focus on strategic initiatives, turn troubleshooting into proactive action, and replace guesswork with visibility. Delivering exceptional Wi-Fi experiences becomes the norm rather than the exception.

Your priorities stay simple:

- Keep users productive and engaged
- Support growing complexity without growing your team
- Stay ready for whatever the network throws your way

AI-native Wi-Fi helps you achieve all three.

“It used to take an engineer and a field technician 30 minutes per AP, on average, to deploy a Wi-Fi network in a building with our prior vendor’s system. Now, with Mist AI, our technicians alone can install APs on site and have them providing service in about three minutes. Mist’s API, Installer APP and ZTP process have given us the ability to install and upgrade APs, for an over 9x faster deployment, which means a 9x faster value on our investment.”²

— **Bryan Ward**, Lead Network Engineer, Dartmouth College



² [Juniper Networks Unveils First Blueprint for Accelerating AI-Native Network Platform Adoption, Delivering up to 9x Faster Time to Value](#), August 20, 2024

AI-native Wi-Fi, done right

HPE is a leader in wireless access innovation, combining the latest radio and antenna technologies with AI-native network management for improved performance, security, app visibility, location-based services, energy savings, and deployment options. Wherever Wi-Fi is needed—indoors or out—our access points powered by AI are ready to provide more reliable, fast, and secure coverage.

Start making it easier to deploy, manage, and optimize Wi-Fi at scale, shifting your focus from optimizing for network uptime to delivering consistently exceptional user and device experiences.

With HPE, you get:

- Simplified deployment
- Unified management and analytics across distributed environments
- Intelligent automation
- Optimized performance
- Security built in from the start

When legacy Wi-Fi can't keep up, HPE helps you move forward.

Learn more at

[HPE.com/networking](https://hpe.com/networking)

Visit [HPE.com](https://hpe.com)

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