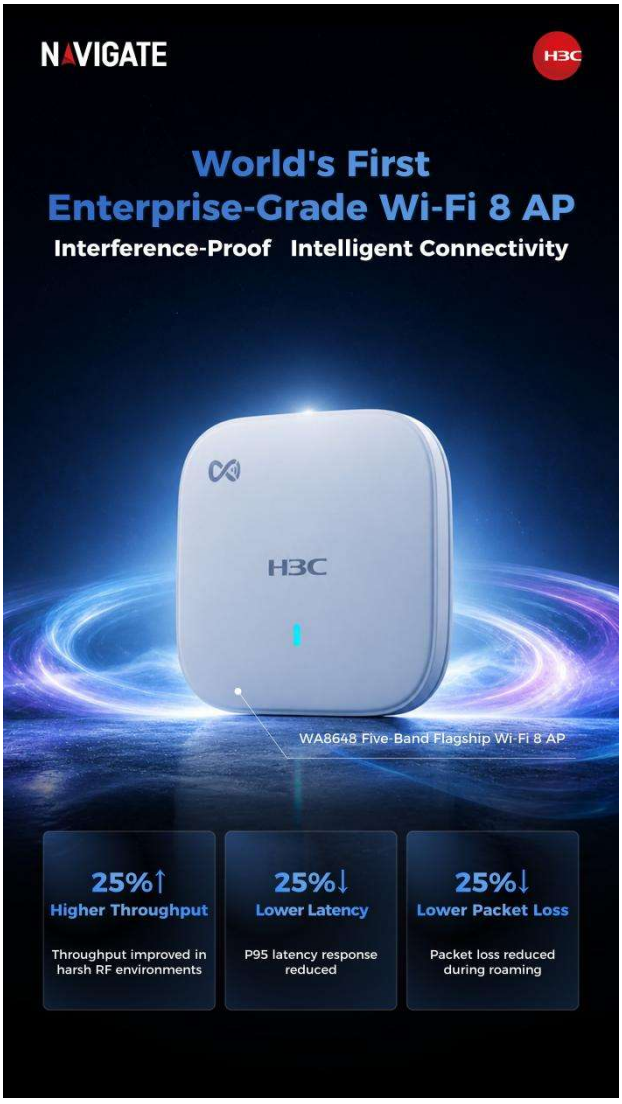
H3C Unveils World's First Enterprise-Grade Wi-Fi 8 AP, Redefining Reliable Wireless Connectivity

[Beijing, June 1] – Chinese tech firm H3C has globally launched its first enterprise-grade Wi-Fi 8 access point (AP), integrating native Wi-Fi 8 technology with in-house developed Native AI algorithms to address critical pain points in complex industrial and corporate wireless environments.



Against the backdrop of surging AI-driven edge applications demanding ultra-reliable, low-latency connectivity, traditional Wi-Fi's speed-centric upgrade model has proven insufficient. H3C's new flagship five-band Wi-Fi 8 AP shifts the paradigm from "chasing speed" to "guaranteeing experience", delivering stable, near-lossless connections in congested, interference-prone and high-mobility settings.

Powered by its built-in AI engine, the AP leverages Wi-Fi 8's coordinated spatial reuse and dynamic spectrum scheduling to boost spectral efficiency by 30% via millisecond-level multi-AP collaboration. It boasts three core strengths: edge coverage with over 25% higher throughput in harsh environments; 25% lower latency for latency-sensitive operations like industrial control and remote healthcare; and lossless roaming with a 25% drop in packet loss during handoffs, ensuring uninterrupted mobile workflows.

To ease enterprise operational burdens, the device adopts Agentic AI for simplified maintenance, enabling real-time environment perception, autonomous frequency band optimization and rapid fault root-cause analysis, eliminating manual intervention.

Notably, H3C has pre-deployed key Wi-Fi 8 capabilities into its Wi-Fi 7+ products, offering enterprises a transitional solution balancing current performance and future upgradability. The launch is backed by a strategic partnership with Broadcom, which provides core chips to tackle multi-frequency scheduling and high-density concurrency challenges.

As Wi-Fi 8 and its ecosystem mature, H3C aims to further integrate AI, cloud and big data into its wireless solutions, empowering global enterprises with smarter, more stable connectivity.