

H3C Wireless Networking Solutions

Comprehensive offerings to optimize enterprise WiFi for different businesses



Executive summary

H3C offers enterprises in different industries—such as banking and finance, education, government, hotel, large businesses, property development, and telecommunications—a comprehensive portfolio of WiFi solutions to support unified networking and meet their unique requirements.

These offerings include:

- The WA5620i access point, which is the industry's first 802.11ac Wave2 AP and comes with a 2.5G Ethernet port
- The WA4320-ACN-B, which is the industry's first AP to feature an embedded Bluetooth module
- And the WA4320i-X-R, which is the industry's first IoT AP

Other unique solutions include H3C's WA4330 access point and X-share virtual AP. While the WA4330 allows triple band access, the X-share virtual AP increases wireless coverage and minimizes interference between devices as well as keeping the customers' TCO to a minimum.

H3C solutions enable enterprises to:









- Unify wired and wireless networks with enhanced performance, security and reduced complexity and cost
- Speed up deployment while maintaining best-in-class security
- Enhance guest experience with QR code-based WiFi access
- Achieve high-performance forwarding while centralizing management of user authentication traffic with a hierarchical AC solution

About H3C

As an innovative IP-based network architecture solutions provider, H3C aims to create maximum value for its global customers and partners by providing excellent service and quality products with a high performance to cost ratio. The company is fully owned by Hewlett-Packard Company (HP). Together with its parent company HP, H3C has secured the No.2 position in the global networking market.

A Comprehensive Portfolio of Access Points and Access Controllers to Support Unified Networking

H3C Access Points

Type								
Size	220x227x 51mm	220x220x 72mm	220x220x 60mm	220x220x 60mm	220x220x 54mm	220x220x 54mm	220x220x 40mm	150x86x 35mm
Mode	802.11ac Wave2	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac
Frequency	2.4 GHz, 5 GHz (Dual band)	2.4 GHz, 5 GHz (Dual band)	2.4 GHz, 5 GHz, 2.4/5 GHz (Triple band)	2.4 GHz, 5 GHz (Dual band)	2.4 GHz, 5 GHz (Dual band)	2.4 GHz, 5 GHz (Dual band)	2.4 GHz, 5 GHz (Dual band)	2.4 GHz, 5 GHz (Dual band)
Speed	2.5G	1.3G	866Mbps	866Mbps	866Mbps	866Mbps	866Mbps	866Mbps
Uplink	1G+2.5G	2G	2G	2G	1G	2G	2G	1G
Included modules	N	N	N	N	Bluetooth 4.0	3 IoT slots: RFID, ZigBee, Bluetooth 4.0	N	N
Position	802.11ac Wave2 flagship	802.11ac flagship	High density access	Any customer	Commercial + positioning	IoT, Medicare care	X-share virtual AP	Wall plate

H3C Wireless Controllers

Type						
Fixed ports	1GE combo WAN +4GE LAN	4GE combo	8 GE (combo)	8 GE (combo)+ 2 10GE SFP+	8 GE (combo)+ 2 10GE SFP+	12 GE (combo)+ 4 10GE SFP+
Power supply	1	1+1	1+1	1+1	1+1	1+1
Wireless performance	1G	2G/4G	4G	10G/20G	20G	40G
Max AP	48	128/256	256	512/1024	512	1536

H3C Wireless Product Highlights

802.11ac Wave2 Flagship WA5620i AP

The H3C WA5620i Access Point (AP) is the new flagship AP product. Fully 802.11ac Wave2 technology compliant, it delivers a total throughput of 2.5Gbps – including 1733Mbps at 5Ghz and 800mbps at 2.4Ghz.

The WA5620i is the industry's first AP to come with a 2.5G Ethernet port as well as a fixed 1G port. This enables the WA5620i to provide a total of 3.5G of dual active and PoE ready uplink bandwidth. The single frequency model can support 256 clients, while the dual frequency model can support up to 512 clients.

Benefits:

- **Built-in 2.5G Ethernet:** 2.5G Ethernet guarantees an extremely high speed Wave2 wireless experience
- **Total 2.5Gbps speed:** 5Ghz speed of 1733Mbps and 2.4Ghz speed of 800Mbps
- **3.5G uplink:** Both the 2.5G and 1G ports can support PoE, providing a total of 3.5G in uplink bandwidth and preventing any single point of failure



Bluetooth WA4320-ACN-B AP

The H3C WA4320-ACN-B Access Point (AP) is the industry-first commercial GE 802.11ac AP with Bluetooth access. It comes with a built-in Bluetooth module. The Bluetooth 4.0 technology can support a variety of Bluetooth applications as well as WiFi+Bluetooth hybrid positioning technology and Apple iBeacon protocol and base station management.

Benefits:

- **Built-in Bluetooth module:** Bluetooth 4.0 technology significantly broadens the range of Bluetooth applications available
- **Hybrid positioning:** Support for WiFi+Bluetooth high precision hybrid positioning
- **Apple iBeacon:** Apple iBeacon protocol support and base stations management (e.g. push notifications that work with iBeacon and provide O2O portal and iBeacon central management)



IoT WA4320i-X-R AP

The H3C WA4320i-X-R Access Point (AP) is the industry's first 802.11ac AP, with support for multiple IoT expansion slots. The AP supports a combination of RFID, ZigBee, and Bluetooth 4.0 add-on modules (maximum of 3 modules supported simultaneously). The AP comes with 8 RF ports, all of which support 2.4G/5Ghz dual band operation and can be deployed in different rooms for maximum wireless coverage.

Benefits:

- **IoT expansion slots:** RFID, ZigBee and Bluetooth 4.0 modules supported
- **X-share solution:** x-share antenna deployment solution and supports up to 8 rooms with a unique silent mode to reduce interference
- **Intelligent cell architecture:** Seamless AP virtualization and video terminal roaming
- **Dual network separation:** Dual network architecture to separate the IoT network and wireless data network

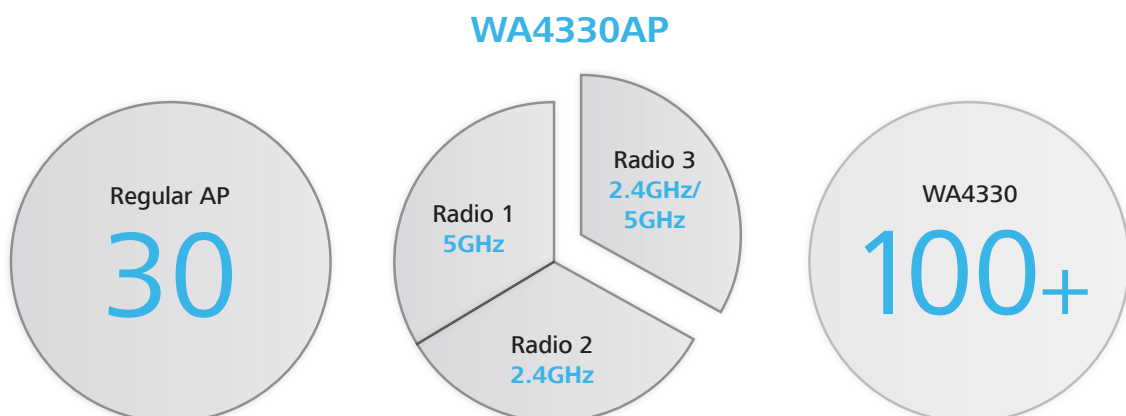


WA4330 AP

H3C WA4330 Access Point (AP)—built based on the new generation of H3C self-developed Gigabit 2-Streams 11ac MIMO and triple band antenna technology—It doubles wireless user capacity and wireless bandwidth. The WA4330 AP has built-in antenna arrays and supports triple band access. The AP's compact design also allows flexible installation on walls, ceilings, and different types of structures.

Benefits:

- **Triple band access:** 2.4Ghz+5Ghz+5Ghz or 2.4Ghz+2.4Ghz+5Ghz
- **Maximized coverage:** Triple band access boosts the number of clients from 30 (the number that regular dual-band AP supports) to more than 100
- **Maximized ROI:** as a result of the unrivaled high-density, high-performance access this innovative AP delivers

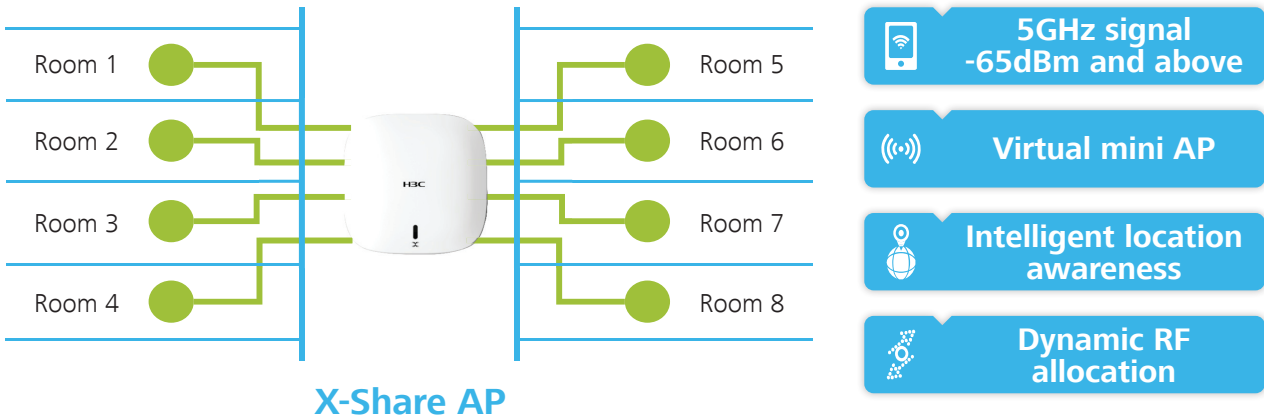


X-share virtual AP

An innovative indoor distributed coverage technology, X-share is unique because antennas are deployed in different rooms and it allows users to choose which antenna to send and receive packets. This capability significantly reduces interference and enhances indoor distributed signal coverage. The X-share wireless AP family includes 802.11ac WA4320i-X and 802.11n WA2620E-X.

Benefits:

- **Lower TCO:** X-share allows one AP to function as upto eight different ones—only antennas are needed in separate rooms
- **Exclusive silent mode:** X-share comes with the innovative silent mode that guarantees each antenna acts like an independent AP and establishes an independent send-receive channel for every user
- **Minimized interference:** Interference is significantly reduced as users can choose which antenna to send and receive packets

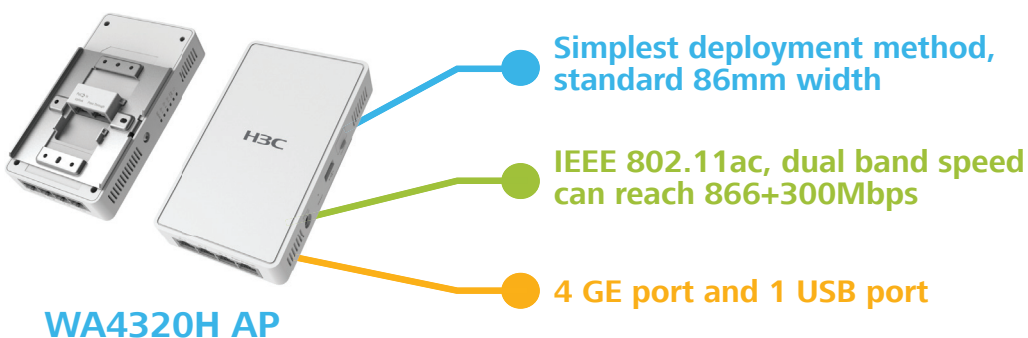


Wall plate APs

Offerings of H3C wall plate AP series are easy to install in 86mm wall plates, without the need to alter existing design. Easy to manage, H3C wall plate AP series includes 802.11ac WA4320H-ACN and 802.11n WA2610H-GN.

Benefits:

- Compact and sleek
- Easy to match any style of interior design
- Installation in a few minutes in 86mm socket
- Supports dual-band 802.11ac
- Allows multiple GE port connections

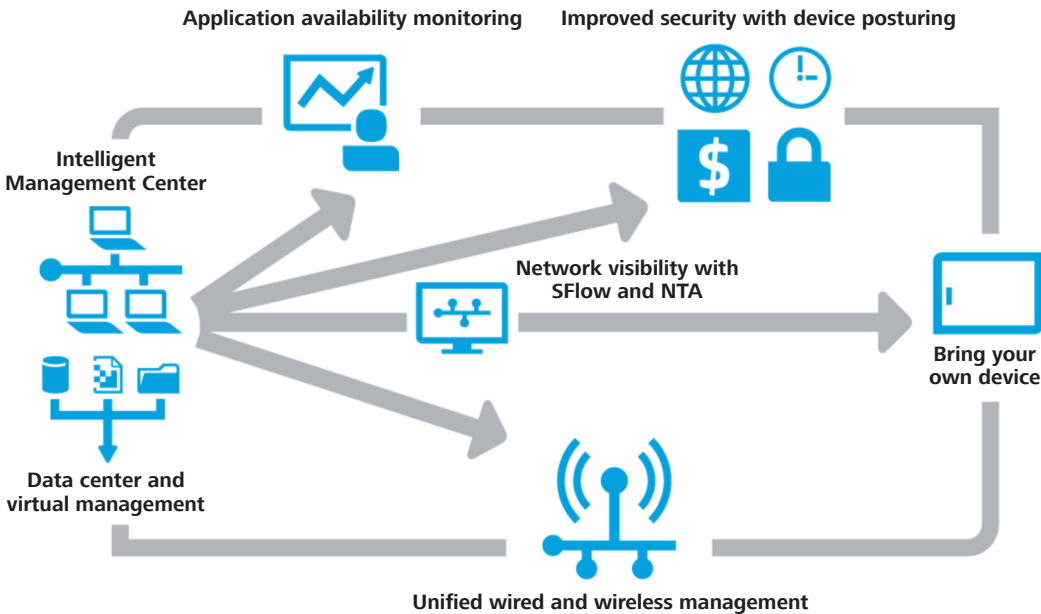


H3C Unified Wired and Wireless Solution

Rule your network with enhanced performance and security, reduced complexity and cost

Benefits:

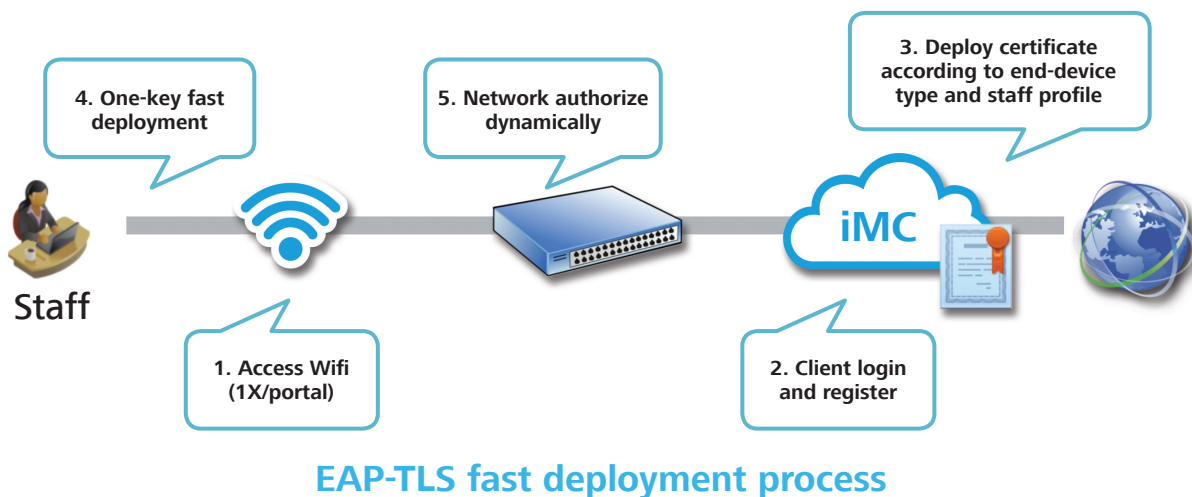
- All enabled by H3C's iMC (Intelligent Management Centre) — a unified, single platform infrastructure management solution
- Provides high visibility into the entire network
- Enables complete management of resources, services and users
- Unifies management of wired, wireless, physical, virtual resources and their users



Fast EAP-TLS deployment for efficient, highly secure WiFi access

Benefits:

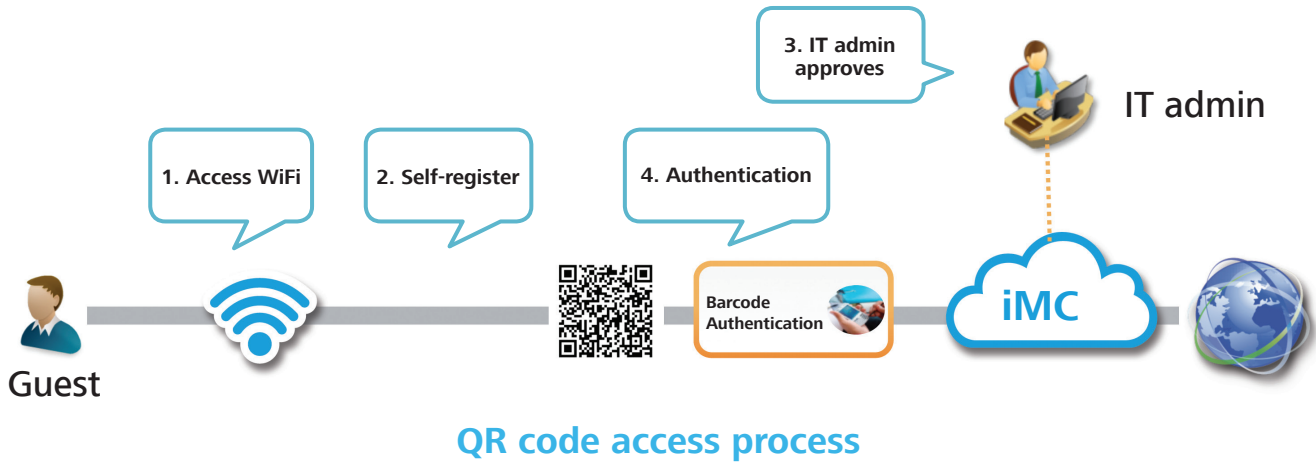
- Quick, simple, smooth iMC-powered EAP-TLS deployment and configuration without compromising security, instead of the traditional, complicated process that takes hours
- IT staff's workload greatly reduced to a number of easy steps
- Best-in-class wireless security solution in the market
- Supports full range of iOS and android smart devices



One-stop, iMC-enabled QR code WiFi access to create the best guest experience

Benefits:

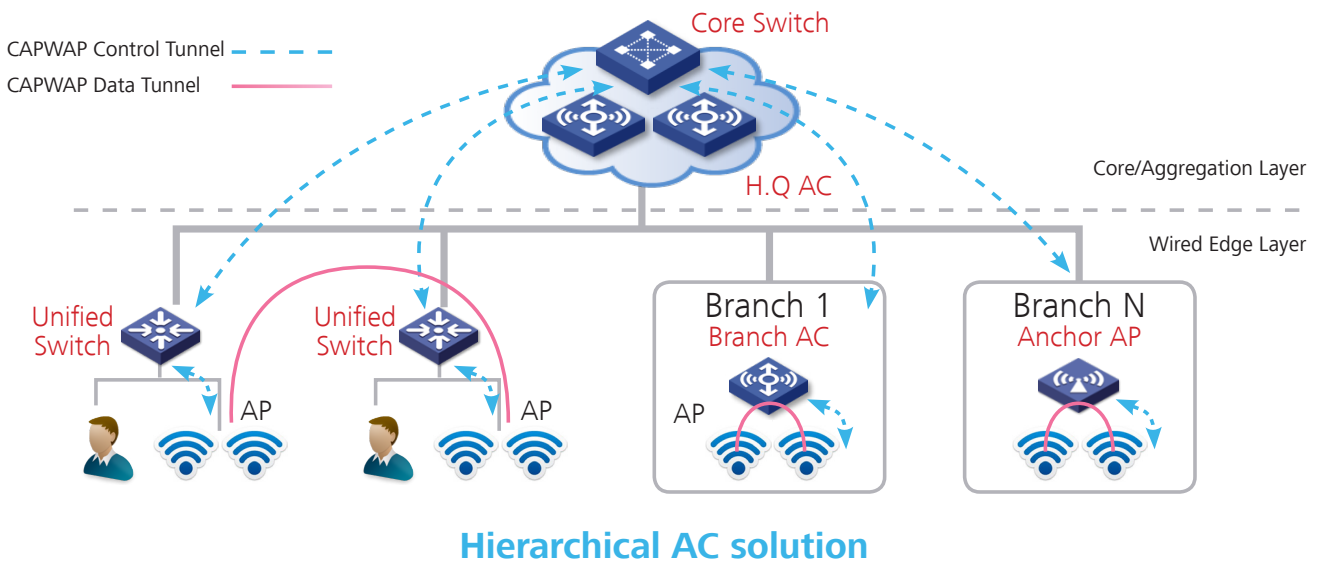
- Quick, simple, smooth, and iMC-powered QR code deployment and configuration
- Supports self-registration by guests
- Supports pre-registration required WiFi access
- Guests can simply click or scan QR code for instant wireless access



High-performance, centralized management enabled by Hierarchical AC solution for large enterprises

Benefits:

- Allows centralized management for all user-authentication traffic
- Reduces the performance burden of the headquarters wireless AC
- Forwards all data traffic locally to enable high-performance forwarding



Possible industry deployment scenarios with H3C wireless product solutions

	802.11ac Wave2	Bluetooth	IoT	Triple band access	X-share virtual AP	Wall plate AP	Unified wired & wireless	EAP-TLS fast-deployment	QR code WiFi access	Hierarchical AC solution
Banking & Finance	✓			✓			✓	✓	✓	✓
Education	✓			✓	✓	✓	✓		✓	✓
Government	✓		✓				✓	✓	✓	✓
Hotel		✓	✓	✓	✓	✓	✓		✓	
Large enterprise	✓			✓			✓	✓		✓
Properties		✓	✓	✓	✓	✓	✓		✓	
Telco	✓			✓	✓		✓		✓	✓

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