



Instant 

HPE Networking Instant On Access Points

Discover why Flotek is the smarter partner for your business



Small business challenges

- Keeping up with technology trends
- Manage budget efficiency
- Enhanced security concerns
- Doing more with even less
- Keep the network running with limited resources



HPE Networking Instant On Access Points

Key features



Smart Mesh? It's Wi-Fi pure genius

Mesh Wi-Fi allows you to connect and build out a network of access points without the need for added cabling. Easily set up in just minutes, a single network can support up to 25 access points. Say goodbye to dead zones and hello to getting in the zone.



Manage and monitor your network on the go

Deploy and manage your network on the go from the mobile app or cloud-based web portal at no extra cost. Run your business remotely, add devices, and manage your site anywhere, anytime, and from any device.



Latest wireless security that's easy to count on

Use secure WPA3/WPA2 or secure open Wi-Fi network access with OWE authentication on your Wi-Fi networks, and we do the rest. Or, in a single click, you can block precategorized applications and unauthorized devices that could compromise your network.



IT support to keep your business up and running

With a 2-year warranty, 24/7 phone support for 90 days, and chat and community support for the life of the product, HPE Networking Instant On has got you covered.



Indoor access points | Outdoor access points | In-room access points

The small business Wi-Fi CERTIFIED 6™ portfolio

Indoor Access Points



**HPE Networking
Instant On
Access Point AP21
2x2:2 802.11ax**



**HPE Networking
Instant On
Access Point AP22
2x2:2 802.11ax**



**HPE Networking
Instant On
Access Point AP32
2x2:2 802.11ax**



**HPE Networking
Instant On
Access Point AP25
4x4:4 802.11ax**



Desk-mounted Access Points



**HPE Networking
Instant On
Access Point AP22D
Desk/Wall
2x2:2 802.11ax**



Outdoor Access Points



**HPE Networking
Instant On
Access Point AP27
IP67 Outdoor
2x2:2 802.11ax**



HPE Networking Instant On Access Point AP25

When capacity and speed is what you need

Target Wake Time (TWT)

Establish a schedule for clients to communicate with an AP reducing power consumption

Trusted Platform Module (TPM)

An installed TPM for secure storage of credentials, keys, and boot codes

Smart Mesh

Extend coverage with higher throughput via HE160 without the need for Ethernet cables



For small businesses on the cutting edge of performance and throughput, the AP25 is our fastest yet

Support for over 100 simultaneous devices and 5.2Gbps of aggregate throughput boosts productivity and lowers latency with Cloud Based Applications

Higher-performing Smart Mesh HE160 improves users on the far end of the mesh network when cables can't be run

HPE Networking Instant On Access Point AP32

Extended capacity and dedicated band for Wi-Fi 6E devices

Fast Wi-Fi 6E

Under the hood, enhancements made for the latest wireless devices to increase data transmission and performance

Dedicated 6GHz band

For Wi-Fi 6E-supported wireless devices, it improves latency and decreases loading times.

2.5 gigabit Ethernet Uplink

The upgraded uplink port makes sure that the 2.6Gbps wireless throughput is fully utilized



Update your network with the latest in wireless connectivity to enhance cloud and data-hungry applications

Support future and legacy devices, up to 75 simultaneous connections, with 2.4, 5, and 6GHz radio broadcasting

Smart Mesh with AP 25 over HE160 for a high-performance wireless network to support your most demanding Wi-Fi needs

HPE Networking Instant On Access Point AP22

High Performance Wi-Fi 6 access points

MIMO

Allows the access point to serve multiple clients (Wi-Fi 5 and Wi-Fi 6) at the same time

OFDMA

Serve multiple clients thereby improving efficiency by boosting overall capacity

1024 QAM

25% improved data rate (over 256 QAM).
Packs more data into the signal



Organizations with Wi-Fi 6 devices will get more performance after upgrading from previous Wi-Fi 4 or 5 Wave 1 networks

Enterprise performance like the Instant On AP25 but at a lower price

Upgrade your network to get the most out of latest generation Wi-Fi-enabled devices without the need for complex controllers or CLI knowledge

HPE Networking Instant On Access Point AP21

Small and mighty connectivity for everyone

Client Match

Balances clients across access points to optimize hardware and bandwidth utilization

MIMO

Allows the access point to serve multiple clients (Wi-Fi 5 and Wi-Fi 6) at the same time

Target Wake Time (TWT)

Establish a schedule for clients to communicate with an AP, reducing power consumption



Reliable Wi-Fi 6 connectivity shouldn't come at great expense, and extending your network shouldn't either

Enterprise-class features perfect for your home, studio, or small workspace with connectivity for up to 50 devices

Great for Smart Mesh, extend your network without the need for additional cables with any other Instant On access point

HPE Networking Instant On Access Point AP22D

In-Room high performance wired and wireless connectivity

All-in-one connectivity

2.5GbE uplink port, 4x 1GbE downlinks with PoE and dual-band Wi-Fi 6 support

Class 6 PoE power

Power with Class 6 PoE to provide ports E1 and E2 15W of power or 30W of power to E1

Trusted Platform Module

Secure storage of credentials, keys and boot codes



Desk or wall mount options mean you can hang or place the Instant On AP22D anywhere in your space to optimize connectivity

Smart Mesh brightens dead zones to give you network extra coverage when Ethernet ports are available in the room

Control power consumption with PoE site schedules in the Instant On mobile app or portal to reduce facility overhead costs

HPE Networking Instant On Access Point AP27

Outdoor-ready Wi-Fi 6 access point

Reliable in all seasons

Instant On AP27 has an IP67 rating, making it dust- and water-resilient

Functional mounting

Built-in wall mounting plate for any space, optional pole mount for industrial settings

Fast Wi-Fi 6 support

Support up to 75 active devices at once with Instant On AP27, with a 1.7Gbps wireless throughput



Reliable outdoor connectivity for restaurant patios from the streets of France to the markets of India and down to the plazas of Colombia.

The ruggedized exterior provides peace of mind that the Instant On AP27 will keep broadcasting rain or shine

A custom guest portal makes it easy to grant access to customers, employees, and contractors with an intuitive menu for setup

The HPE Networking Instant On Wi-Fi 6 portfolio



New ways to connect for any small business

	Indoor				Desk/Wall	Outdoor
	Instant On AP21	Instant On AP22	Instant On AP32	Instant On AP25	Instant On AP22D	Instant On AP27
Ideal deployment	Home networks or small spaces. Using traditional office and file-sharing apps	Hotels, independent schools*, restaurants, small offices	Modern offices, cafés, best for businesses that support brand new devices	Gaming, hospitality, professional offices	Medical offices, Cafés, restaurants or boutique hotels	Patio dining, outdoor work areas, school play spaces
Recommended max# active devices per AP	50	75	75	100	75	75
Max data rates	1.53 Gbps wireless	1.77 Gbps wireless	3.6 Gbps (5 + 6GHz bands) 2.7 Gbps (2.4 + 6GH bands)	5.2 Gbps wireless	1.77 Gbps wireless, 900 Mbps wired	1.77 Gbps wireless
MIMO	2x2	2x2	2x2	4x4	2x2	2x2
Uplink port	1GbE	1GbE	1/2.5Gbe	1/2.5GbE	1/2.5GbE	1GbE
Radios	Dual-band 802.11ax and 802.11n 2x2 5GHz/2.4GHz MIMO	Dual-band 802.11ax 2x2 5GHz/2.4GHz MIMO	Tri-band 802.11ax 2x2 5GHz/2.4GHz MIMO	Dual-band 802.11ax 4x4 5GHz MU-MIMO 2x2 2.4GHz MU-MIMO	Dual-band 802.11ax 2x2 5GHz/2.4GHz MIMO	Dual-band 802.11ax 2x2 5GHz/2.4GHz MIMO
Dimensions	145mm x 145mm x 51mm	160mm x 160mm x 37mm	160mm x 160mm x 39mm	200mm x 200mm x 45mm	86mm x 150mm x 47mm	180mm x 232mm x 120mm
Power Over Ethernet	PoE In: 802.3af	PoE In: 802.3af	PoE In: 802.3at	PoE In: 802.3at	PoE In: 802.3at/802.3bt PoE out feature on 2 ports: 2x802.3af (E1, E2) or 1x802.3at (E1)	PoE In: 802.3at

The small business Wi-Fi 5 portfolio

HPE Networking Instant On Access Points

Indoor Access Points



**HPE Networking
Instant On Access Point AP11
2x2:2 802.11ac Wave 2**



**HPE Networking
Instant On Access Point AP12
3x3:3 802.11ac Wave 2**



**HPE Networking
Instant On Access Point AP15
4x4:4 802.11ac Wave 2**

Desk-mounted Access Points



**HPE Networking
Instant On Access Point AP11D
Desk/Wall 2x2:2 802.11ac
Wave 2**

Outdoor Access Points



**HPE Networking
Instant On Access Point AP17
2x2:2 802.11ac Wave 2**

HPE Networking Instant On Access Point AP15

Fast 802.11ac Wave 2 access points

4 omnidirectional antenna

Broadcast Wi-Fi far and wide with an aggregate throughput of 2Gbps

Multiple 5ghz channels

Keep your power users connected with dense 5ghz band coverage to support demanding SMB applications

Up to 100 device support

Connect many user laptops, 3D Printers and other employee hardware without worrying about bottlenecks



Creative firms and device dense environments get the most of out the Instant AP15, designed to handle higher-bandwidth workloads

More antenna provide a better user experience and smoother handoff for users on the go keeping your employees connected and productive

Worry less about managing your network with the smart and easy-to-use Instant On App so you can keep innovating

HPE Networking Instant On Access Point AP12

Robust Wi-Fi 5 Wave 2 indoor performance

3x 5ghz antenna

Provide plenty of bandwidth to power users and IOT devices alike with up to 1300Mbps in transmit speeds

Support up to 75 devices

A total of 1.6 Gbps can handle the most crowded cafes or waiting rooms

Easy to setup

Easily create multiple SSIDs in the Instant On App and keep your critical network traffic prioritized



Cafes and medical facilities that want an easy to setup, easy-to-use wireless solution that provides great coverage and performance

Smaller packaging of the Instant On AP12 will blend into any environment but is packed with enough power to handle tougher workloads

Mid-range option for users who need to support more devices and more network demands

HPE Networking Instant On Access Point AP11, 11D

Entry-level Wi-Fi wall mount and desktop access points

Support up to 50 devices

Budget friendly and premium performance for wireless POS, IoT Devices, guest access and more

Ideal coverage

Smart antenna design provides network range up to 1500 square feet of your shop or office

Small footprint

Slim design and a desktop mount for the Instant On AP11D make this ideal for intimate business environments



Enterprise features and control in your retail shop, home office or individual rooms in your bed and breakfast

Our most affordable access point that doesn't compromise on performance

Easy to manage in the Aruba Instant On App keeps resources free to manage your business

HPE Networking Instant On Access Point AP17

Wi-Fi 5 Wave 2 outdoor access point

2X2 MIMO

Cuts through the noise on the streets or patios to offer your customers strong reliable connectivity

Reliability outdoors

Operating Temperature from -40°C to +50°C, IP55 dust and water-rated

PoE powered

One Ethernet PoE port keeps the AP secure from the elements, powered by your Instant On Switch



Extend your storefront with the Instant On AP17, giving a better connectivity experience outdoors no matter the weather

Instant On AP17 boasts the same speed and capabilities as the Instant On AP15 but is rugged enough to survive hot summers and frigid winters

Customers want to be connected wherever they go and provide a better experience without worrying about your wireless working rain or shine

The Wi-Fi 5 wireless portfolio

We've got a solution for every small business use case

	Indoor			Desk/Wall	Outdoor
	Instant On AP11	Instant On AP12	Instant On AP15	Instant On AP11D	Instant On AP17
Ideal deployment	SOHOs, boutiques, retail shops	Medical offices, cafés, restaurants	Animation firms, tech start-ups	Boutique hotels, SOHOs, medical offices	Outdoor cafés, poolside, open-air restaurants
Recommended max# active devices per AP	50	75	100	50	50
Max data rates	1.167 Gbps	1.6 Gbps	2.033 Gbps	1.167 Gbps	1.167 Gbps
MIMO	2X2	3X3	4X4	2X2	2X2
Weight	193g	483g	674g	313g	650g
Radios	2.4 GHz 802.11n (Wi-Fi 4) 5 GHz 802.11ac (Wi-Fi 5 Wave 2)	2.4 GHz 802.11n (Wi-Fi 4) 5 GHz 802.11ac (Wi-Fi 5 Wave 2)	2.4 GHz 802.11n (Wi-Fi 4) 5 GHz 802.11ac (Wi-Fi 5 Wave 2)	2.4 GHz 802.11n (Wi-Fi 4) 5 GHz 802.11ac (Wi-Fi 5 Wave 2)	2.4 GHz 802.11n (Wi-Fi 4) 5 GHz 802.11ac (Wi-Fi 5 Wave 2)
Dimensions	152mm x 152mm x 34mm	157mm x 157mm x 34mm	183mm x 183mm x 41mm	150mm x 86mm x 40mm	156mm x 67mm x 178mm
Power	802.3af PoE, 10.1W Max or 12Vdc	802.3af PoE, 13.0W Max or 12Vdc	802.3af PoE, 14.4W Max or 12Vdc	802.3af PoE, 9.7W Max to 25.3W Max or 48Vdc	802.3af PoE, 13.5W Max

The Wi-Fi 6E Difference

6Ghz band reserved for Wi-Fi 6E-enabled devices

- Dedicated band allows for faster data transmission rates
- More channels across a dedicated band reduce congestion in noisy environments
- Result is higher speed and lower latency

Wi-Fi 6E isn't for all spaces or facilities

- 6GHz band has a sharper drop-off compared to previous versions
- In 2023, more client devices have shipped as Wi-Fi 6E capable but not all of them
- Large coverage or high interference spaces don't play well with Wi-Fi 6E



The HPE Networking Instant On Wi-Fi 6 solution

Connectivity for everyone

Superior wireless capacity and connectivity

- Higher device capacity and faster data processing
- Enable your environment for cloud-centric apps
- Utilize improved Smart Mesh capabilities
- Tackle IOT device sprawl with the increased device connectivity and Wi-Fi 6 features
 - Wi-Fi 6 Target Wake Time (TWT) reduces bandwidth use and energy costs by limiting the connectivity of some IOT devices

Pair the Wi-Fi 6 access points with Instant On 1830 Switches

- Class 4 PoE provides enough power to bring your business Wi-Fi 6 connectivity in 8, 24, or 48 ports
 - The 1830 PoE switches have half ports for smaller facilities or spaces

Utilize the full port PoE power of the 1930

- Instant On 1930 PoE switches have Class 4 PoE running to all ports in 8, 24, or 48 port versions
- A wide range of PoE port options provides the best experience to plug and run any of the Wi-Fi 6 APs

Instant On 1960 and Wi-Fi 6 give you the most capacity

- Stack the 1960 Switch Series and support the full 2.5GbE uplinks of the AP22D, AP25 and AP32 for the most throughput
- Class 6 PoE with the 1960 multi-gigabit access switch gives the AP22D its full PoE capabilities



AP22

AP25



AP22D



1830 PoE Switches



1930 PoE Switches



1960 PoE access switches

The HPE Networking Instant On Wi-Fi 6 solution

Better networks, made better together

AP21

Small footprint for small spaces

Ideal for small spaces like home installs, meetings rooms or studio apartments

Paired with Instant On 1430 PoE switch:

- Provides a plug-and-play solution to power home networks or low-density environments

Paired with 1830 PoE switch:

- Adds smart management features
- Enables individual room wireless access
- Adds PoE scheduling to better manage energy costs



AP21



1430 8G PoE 64W switch



1830 PoE switch

AP32

Support for the latest devices

Enhances performance of Wi-Fi 6 / 6E enabled phones, laptops, and IoT devices

Paired with Instant On 1960 multi-gig switch:

- Ensures full support for these devices, maximizing capacity and performance

For maximum range:

- Activate the 2.4GHz and 6GHz bands

For maximum throughput:

- Activate 5GHz and 6GHz bands



AP32



1960 PoE access switch

The HPE Networking Instant On Wi-Fi 6 solution

Connectivity for any space

AP27 and Instant On 1930

Outdoor connections for everyone

Flexible working areas are now a must for employers who are participating in hybrid work

Employees like to have the option to take work calls outside or when walking around to get fresh air

Give them the connectivity they need to keep calls and conferences online with an AP27 and the Instant On 1930 PoE switch series

Instant On 1930 and AP27 are a great pair managed in the Instant On mobile app with simple deployment made easy with Class 4 PoE



AP27



1930 PoE switch

AP27 and Instant On 1430 or 1830

Fanless and compact solution

Have a restaurant with outdoor seating or want to offer guests Wi-Fi at your boutique hotel or short-term rental outside?

The Instant On AP27 can be deployed with the Instant On 1430 or 1830 fanless compact switches

These take up less space, and the fanless operation makes them great to use in customer-accessible spaces



AP27



1430 8G PoE 64W switch



1830 PoE 64W switch

HPE Networking Instant On Access Point AP25 – High-bandwidth use-cases

Gaming



- Gaming need high speed connectivity, large bandwidth and lowest latency for the new era gaming applications.
- AP25 addresses the high speed and bandwidth request with the 4x4 MIMO and 160MHz Bandwidth feature.

Hospitality

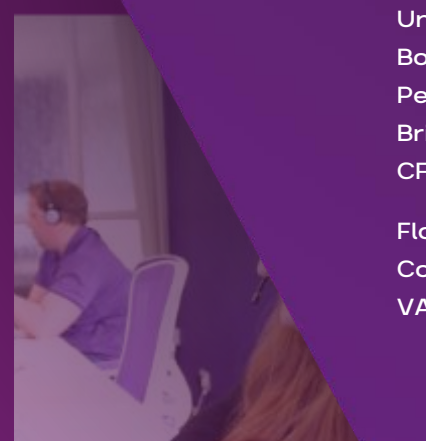
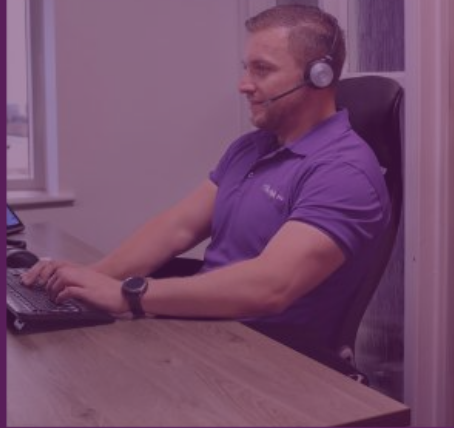


- Whether you run an independent hotel or the hottest boutique BnB in town, we understand the guest and staff experience drives your need for fast, secure, and reliable network access.
- AP25 can be deployed at the Reception/breakfast area to handle large number of users and high bandwidth applications for guest check-in.

Professional Offices



- Businesses need a reliable wireless network to handle high performance laptops, interactive voice and video collaboration tools for their employees to stay productive.
- AP25 brings ultra fast Wi-Fi connectivity and low latency for your business to grow at lightening speed.



T: 02921 50 8000

E: Hello@Flotek.io

W: www.Flotek.io

Unit 4,
Bocam Park,
Pencoed,
Bridgend
CF35 5LJ

Flotek Group Limited is Registered in England & Wales.
Company Number: 13882299
VAT Registration Number: GB 4060 18239