



aruba

a Hewlett Packard
Enterprise company

Introducing Aruba Instant On Wi-Fi for Small Business

February, 2020

Agenda

- Small Business Challenges
- Introducing Aruba Instant On
- Competitive Landscape
- Pricing
- Key Details
- Available Resources
- Feature Release
 - 1.2
 - 1.3
 - 1.4



Small Business Objectives

Attract New Customers ...



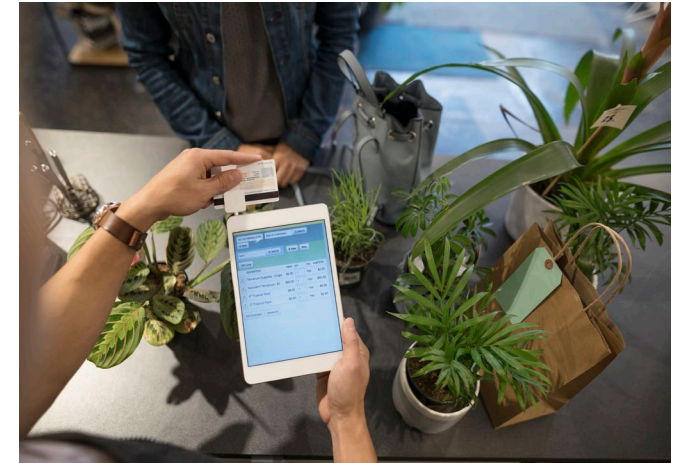
... by investing in technology to reach new buyers and increase sales

Improve Operational Efficiencies ...



... to manage costs and increase productivity

Gain Competitive Advantage ...



... by adopting digital payment options, providing guest Wi-Fi and more.

The New Aruba Instant On Portfolio

INDOOR ACCESS POINTS



Instant On AP11
2x2:2 802.11ac Wave 2



Instant On AP12
3x3:3 802.11ac Wave 2



Instant On AP15
4x4:4 802.11ac Wave 2

HOSPITALITY ACCESS POINTS



Instant On AP11D Desk/Wall
2x2:2 802.11ac Wave 2

OUTDOOR ACCESS POINTS



Instant On AP17
2x2:2 802.11ac Wave 2

Announced on June 11th, 2019
Target Audience: Small Businesses with less than 100 users

Why Aruba Instant On?



Simplicity at it's best

- Hassle-free set-up and management
- Remote and multi-site management: Instant On mobile app and Cloud-based web portal



Best-in-Class security

- Secure guest and employee access
- Integrated Wi-Fi security standards for secure authentication - WPA2/WPA3, OWE



“Always-on” quality

- Superior SW & HW from a trusted vendor
- High performance Wi-Fi access
- Unmatched user experience and support

Purpose-built Wi-Fi

Customer Need Feature

Simplicity

App-based management

- Plug and Play with quick setup using mobile app or cloud-based access
 - Mobile app provides complete control, with no license or subscription fees
 - Remotely manage multiple sites from anywhere, anytime
-

Business growth

Scalability

- Up to 25 APs in one network
 - Supports up to 8 SSIDs
 - “Mix n Match” of different Instant On models in a network
-

Secure Wi-Fi everywhere

Smart Mesh

- Reliable signal in hard-to-wire areas
 - Easy process for adding additional APs
 - Integrated WPA2/WPA3 security standards
-

Peace of mind

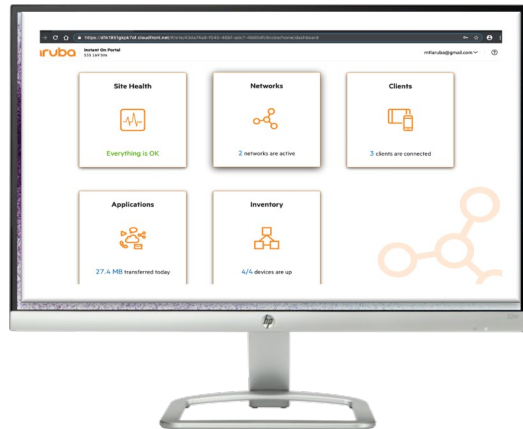
Superior Post-Sales Support

- Phone & chat support
 - 1-year warranty
 - Instant On community
-



Instant On Mobile App / Cloud-based web portal

“Similar functionality : Ability to choose from two modes”



Smart Mesh Setup

- Add additional access points to your network with 1-step mesh set-up



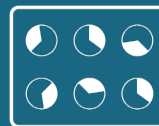
Auto-proofing

- Automatic software updates, keeps network up-to-date and secure.



Personalized views

- Whether a reseller managing multiple sites or small biz owner, you see what's important to you.



Smart management of multiple networks

- It sounds difficult, but it's just a simple way of creating separate guest and employee networks.



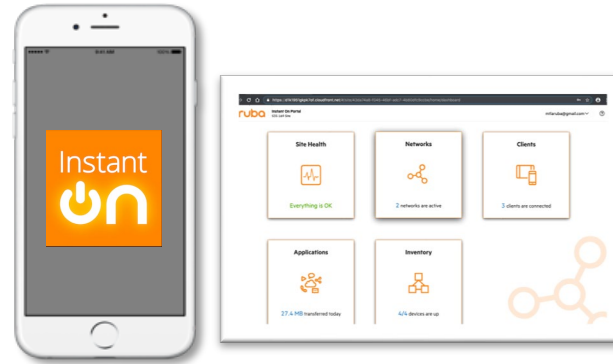
Guest portal customization

- Custom guest login page helps build your brand and make Internet access a breeze.

Aruba Instant On: The End-to-End Small Business Solution



Instant On Access Points



Mobile App and Cloud-based Web Management



OfficeConnect 1920S



OfficeConnect 1950

HPE OfficeConnect Switches

Simple, secure and reliable wired & wireless

Use Cases and Target Markets

Small Business: Sub-100 user size

- “Do-it-for me” customers
- “Do-it-yourself” customers
- Serviced by Aruba business or proximity partners

Use Cases

- Small business networks
- Indoor and outdoor areas

Typical Verticals

- Medical clinics
- Independent retails
- Boutique hotels
- Professional offices
- SOHO

Existing Customers

- Upgrade customers to Wave 2 Wi-Fi
- Upsell customers (HPE OfficeConnect switches)

Competitive Take-out

- 802.11 a/b/g/n/ac Wave 1 refresh cycles
- Small business customers deploying competitors

Instant On vs Instant AP Positioning

Instant On Access Points

Instant Access Points

Target	Small businesses - Small offices, retail, independent hotels (less than 100 users)	Enterprise branches and mid-size campus (more than 100 users)
Management	Mobile app and Cloud-based portal (different from Central)	Multi-vendor AirWave, Cloud-based Central, Web-based GUI
IT resources	Little or no IT staff	IT generalist/specialist
Upgradability and Use-cases	<ul style="list-style-type: none">• Right-sized features for small business• Small networks: 25 APs/Network; 8 SSIDs (both radios)	<ul style="list-style-type: none">• Scalable, customizable and upgradable (CAP/Cloud)• Mid-large networks: 128 APs/Network; 16 SSIDs (per radio)
Wi-Fi Standard	Wi-Fi 5 (.11ac Wave 2)	Wi-Fi 5 (.11ac Wave 2) and (Wi-Fi 6) .11ax
Breadth of portfolio	Right-sized 4 indoor models and 1 outdoor AP	30+ models (including external antenna)
Support	<ul style="list-style-type: none">• 24X7 90 day phone support; online chat for 1-year warranty period• Aruba Instant On Community	<ul style="list-style-type: none">• 8x5 best effort TAC first 90 day<ul style="list-style-type: none">• Airheads community
Warranty	1-Year Warranty	Limited Lifetime Warranty (LLW)

(Cont'd) Instant On vs Instant Positioning

Instant On Access Points

Instant Access Points

Network Scale	Up to 25 APs and 100-150 user devices at a site	Up to 128 APs and 2000 user devices at a site
Management scale	Manage tens of sites with app/cloud portal	Manage thousands of sites with Central/Airwave
Future-proof	Need for enterprise features or scale will require new hardware. No conversion to IAP/CAP.	Cloud managed. Easy conversion to controller based APs for scale/feature needs
Flexibility	Right-sized features for small businesses	Feature-set to meet all mid to enterprise use-cases
Firewall	Basic firewall for network based rules	Context driven policy enforcement firewall
User roles	SSID based user roles	Detailed user role definition (per role, user, device, location, app)
RF	No ClientMatch. ARM enabled with no controls.	Advanced RF optimization with ClientMatch and customized configuration
AppRF & WebCC	Visibility and blocking for major categories only	Fine-grained policies at individual app level
Services	None	Advanced - Airgroup, Clarity, IoT, UCC, RTLS, IAP-VPN.
ClearPass	Basic authentication/access security integration	Integration for advanced security and policy enforcement and third party services like PAN.

Key Competitors



Instant On versus Meraki Go

Differentiation	Instant On	Meraki Go	Benefits
AP models	5 Models (Indoor, Outdoor, Hospitality) deployment	2 models (Indoor, Outdoor) deployment	Deployment flexibility
Support	90 days phone and 24x7 chat for 1 year; online community	Online chat (business hours, 5 days), Support community. Support cost included in subscription	Phone support for quick resolution and easy troubleshooting .
Warranty	1 Year	1 Year	
Multi-site management	Yes	No	Easy to manage, monitor network operations
Management options	Mobile app , Cloud Portal	Mobile app only No support for Meraki dashboard	Multiple Network mgmt. options for ease of use
Subscription cost	No Subscription required	No Subscription required	Cost savings as no annual subscription is required for support , Remote Management .
Social Login for Guest network	Yes <i>supports Facebook login</i>	No	Ease of access for end users ,also useful for traceability
Language Support	Supports up to 8 Languages	Only supports English, Spanish, French, German and Japanese	To ensure global usability
Availability	Global	Only available in EU, UK, USA, Japan	Global presence
Wi-Fi Alliance Certification	Yes	No	To ensure global reliability

Instant On versus Ubiquiti

Differentiation	Instant On	Ubiquiti
AP platforms	<ul style="list-style-type: none"> All 802.11ac Wave 2 platforms 	<ul style="list-style-type: none"> Most APs are Wave 1 (excluding Ubiquiti Dream Machine - 802.11ac Wave 2, 4x4:4 Indoor AP)
Ease of Use	Simple setup through a mobile app or cloud-portal , One-touch Mesh set-up	Extremely complex dashboard with too many menus and options
Support	<ul style="list-style-type: none"> 24X7 90 days phone and chat for 1 year; online community 	<ul style="list-style-type: none"> Chat support for 1 year; community Need to buy Elite support separately (US only)
Warranty and RMA	<ul style="list-style-type: none"> 1 year warranty 10-day shipping Paid shipping costs both ways 	<ul style="list-style-type: none"> 1 year warranty if bought from listed resellers only Customers responsible for shipping cost
Enterprise quality	<ul style="list-style-type: none"> Aruba Instant brand. Enterprise grade reliability. 	<ul style="list-style-type: none"> No. e.g., gateway needs to be re-provisioned from scratch upon power failure.
Ease of use	<ul style="list-style-type: none"> Simple to deploy. No cloud key or gateway needed. 	<ul style="list-style-type: none"> Not simple to set up. Cloud key and gateway required for advanced features.
Gateway features	<ul style="list-style-type: none"> Built advanced features including Guest Access, DHCP, NAT, QoS * 	<ul style="list-style-type: none"> Requires external gateway (\$344+)
Remote management	<ul style="list-style-type: none"> Yes 	<ul style="list-style-type: none"> Ubiquiti requires cloud key (\$79 - \$199), hosted software or cloud subscription. Ubiquiti Dream Machine – integrated cloud key and security gateway
ARM	<ul style="list-style-type: none"> Auto RF optimization 	<ul style="list-style-type: none"> Requires manual config of each AP
Auto-mesh	<ul style="list-style-type: none"> One-touch mesh with app 	<ul style="list-style-type: none"> Not easy to set up
Historical data	<ul style="list-style-type: none"> 1 to 7* days 	<ul style="list-style-type: none"> Ubiquiti requires additional hardware or cloud
Security	<ul style="list-style-type: none"> Firewall, DPI, IDS included *, WPA3 support 	<ul style="list-style-type: none"> Requires gateway (\$344+) for DPI, IDS , no WPA3 support
End user price	<ul style="list-style-type: none"> \$ 89 - \$ 215 	<ul style="list-style-type: none"> Only looks cheaper at \$ 79 - \$ 199

* Advanced features will be available in a future release.

Portfolio Details

A person in a workshop, wearing a white t-shirt and dark overalls, is using a smartphone to scan a gold card. The card has a white chip on it. The person is holding the card in their left hand and the phone in their right. The background shows a wooden workbench with various tools, a calculator, a pen, a brown paper bag, a black cap, and a laptop. The scene is lit with warm, natural light.

Pricing that fits any Space!



AP11
(2x2:2)



AP11D
(2x2:2)



AP12
(3x3:3)



AP15
(4x4:4)



AP17
(2x2:2)

Ideal Deployments

- SOHO
- Boutiques
- Retail Shops

- Boutique Hotels
- Medical Offices
- SOHO

- Doctor's Offices
- Cafes
- Boutique Hotels
- Restaurants

- Tech Start-ups
- Design Firms
- Professional Offices

- Outdoor Café
- Open Restaurants

List Price (ROW)*

\$ 105

\$ 149

\$ 179

\$ 209

\$ 259

List Price (US)*

\$ 119

\$ 165

\$ 199

\$ 230

\$ 289

Warranty and Support Options

	Instant On Limited Warranty	Foundation Care for Instant On (HK1Y0E)
Warranty	1 Year	3 Years
Next Business Day (NBD) replacement of parts	30 days (from purchase); after which parts will be replaced within 10 days	3 Years
24x7 telephone support	90 days (from purchase)	3 Years
24x7 chat support	1 Year	3 Years
Software support	90 days (from purchase)	3 Years
Transferable	No	Yes

***Note - Add for an extended warranty and support services within 90 days of your purchase**

Because your network is critical to your small business



Microsite homepage

It's premium-grade Wi-Fi that you can count on.
 With Aruba Instant On solutions, you can rest assured that you'll get the speed and reliability you need to run today's business-critical mobile and cloud apps.

Large Button



Security you can trust.
 Protect your data. And set up a secure guest network. It's never been easier. Our access points come with the latest and greatest Wi-Fi security technology in the industry.



Simple set up and go.
 Forget hard-to-read user manuals. An easy-to-use web-based dashboard helps you install, manage and maintain your entire network.

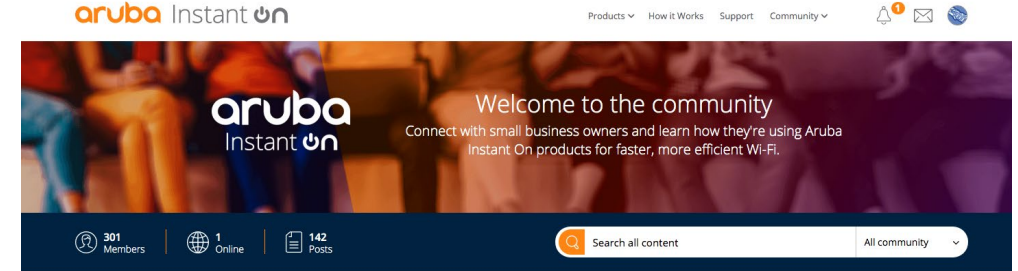


We're a trusted vendor.

XX% of fortune 500 companies rely on Aruba for their enterprise networks. We bring that same level of trust and reliability to you.



We're here to help.



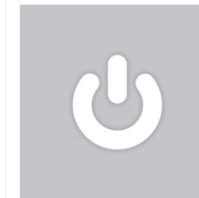
Community homepage

Join the Conversation



Community How To
 Find out what all is available to you with your Instant On community account.

Discuss



Everything Instant On
 Discuss everything for Instant On! Have a question about a feature or having client issues? This is the place for your question.

Discuss



Instant On - Wireless
 Instant On Wireless is the place for your Instant On access point questions.

Discuss




Mobile App
 Have a question about the Instant On Mobile app? The mobile app forum is the place for you.


Discuss

Latest Posts

We're here to help.
 Our access points help your business run smarter and they come with an attractive price point. And guess what - we won't charge you with additional licensing and support fees - and support and 24x7 chat service is included.



Get connected.
 Can your network keep up with your business needs? If not, you've come to the right place. Experience the power of our Instant On solutions for true premium-grade connectivity and performance.



Controllerless Architecture: No additional hardware. No licensing fee.
 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation.

Features	Benefits
Wireless Mesh	Convenience: Expand your network to hard-to-wire areas. Cost effectively: extend Wi-Fi connectivity with no need for cables back to switch. Same network configuration (SSID, password, security).
802.11ac wave 2	802.11ac is three times faster than 802.11n. Allows multiple clients to transmit data simultaneously, improving performance and productivity in high-density wireless environments. Full range portfolio from mid density 2202 to high density 4402 11ac.
Wi-Fi Alliance WPA2/WPA3 and enhanced open	Secure employees and guest networks. WPA2/WPA3: Stronger wireless encryption and complex configuration. WPA2/WPA3: Stronger wireless encryption and complex configuration. Secure your data traffic in open networks such as coffee shops.
Captive Portal	Customizable landing page for visitors and guests. Enhance service in a branded environment. Scalable with cluster of up to 25 access points per network. Supporting 3 SSIDs.
Scalability	Application visibility only (no logging, no intrusion). Legal language support (local Web interface).
Application/ Web Visibility	Application visibility only (no logging, no intrusion). Legal language support (local Web interface).
Multi-Language Support	Legal language support (local Web interface).

Perfect for your business.
 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

DENTAL OFFICES

Small Button

BOUTIQUE HOTELS

Small Button

TECH START UPS

Small Button

Aruba Instant Summary

From Blazing to Amazing

**Fast scalability:
Smart Mesh**

**802.11ac Wave 2
performance**

**Enterprise-level security:
WPA2/WPA3/OWE**

Simple setup

**Phone/chat support, 1-year
warranty**



**Mobile app and Cloud-based
admin access**

**Remote and multi-site
management**

**Separate employee and
guest access**

Customizable captive portal

Proven reliability

August, 2019

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Instant On

Ver 1.2 Feature Update



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Agenda

1. Instant On mobile app - 7 new languages
2. DHCP/NAT
3. Bandwidth limiting - per SSID/user
4. Client blocking



Expanded Mobile App Support

7 New Languages

English plus;

- Chinese (simplified)
- Japanese
- French
- German
- Italian
- Spanish
- Portuguese

Go Anywhere administration for partners with customers in multiple regions

1. When the app starts, it detects the locale of the phone and sets local language, which is saved and used every time the app launches
2. Saved language is communicated to the cloud and notifications are sent in the same language
3. If the phone's locale is not one of the supported languages, it defaults to English



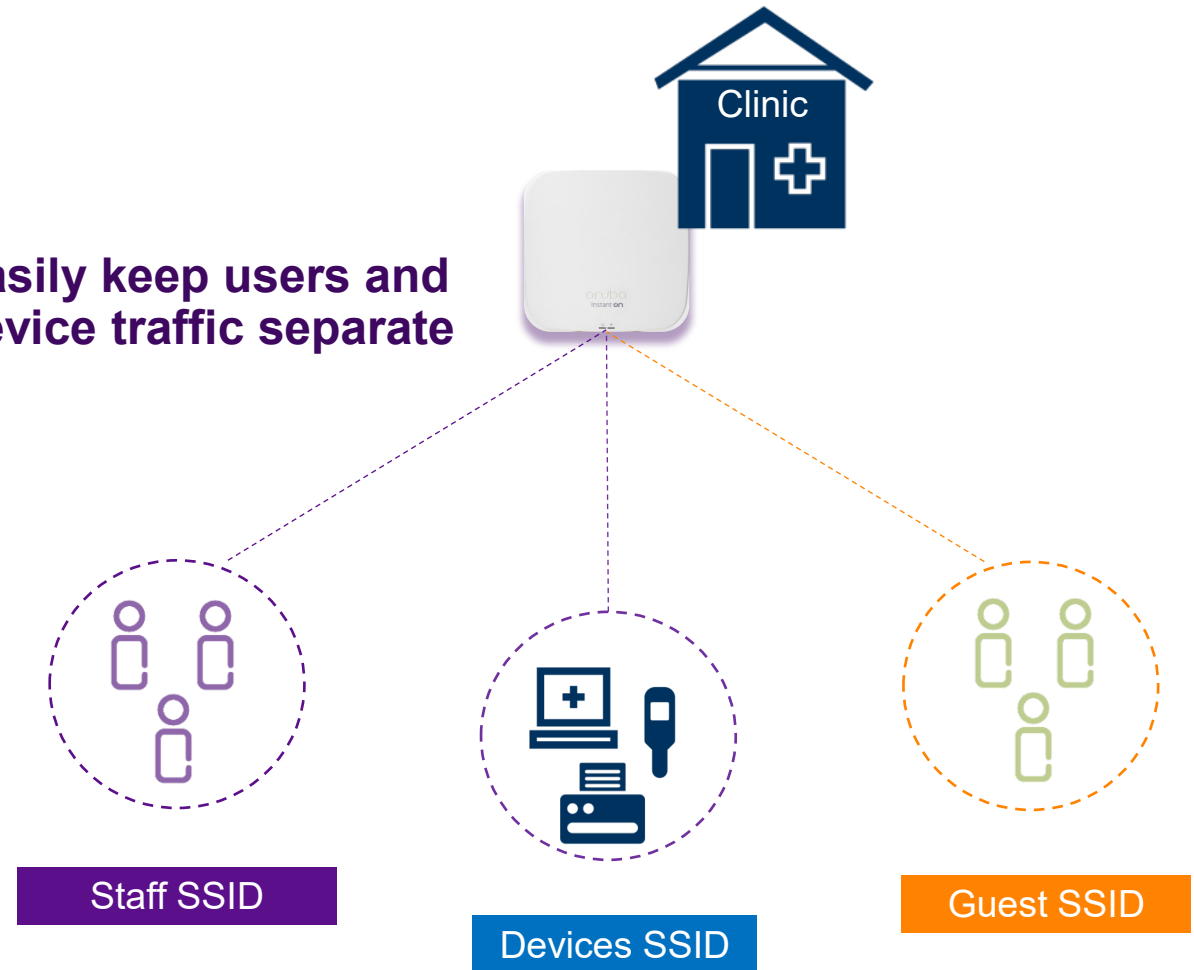
Secure Network Segmentation

Built-in DHCP/NAT Support

IP Address Costs Savings

- Only pay for 1 Static IP Address from Provider
 - No monthly fee for next level addressing (2, 3, 5 addresses)
- Does not require paying for external Gateway (~ \$340 or more savings)
- NAT lets outside world **only** see public address scheme

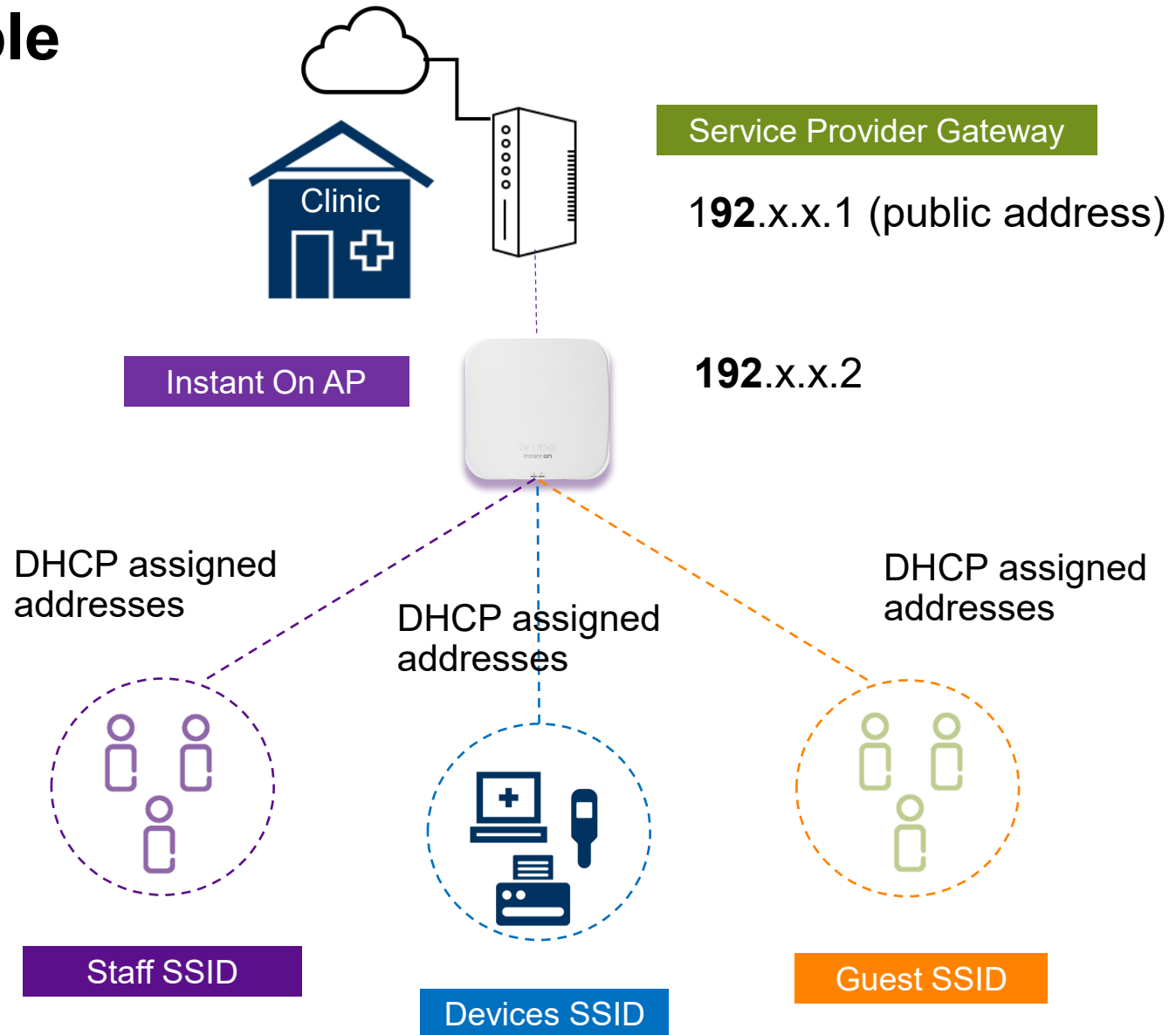
Easily keep users and device traffic separate



How it Works - Example

Built-in DHCP/NAT Support

- Devices on each network has their own address scheme
- Simple to keep different traffic from users/devices secure

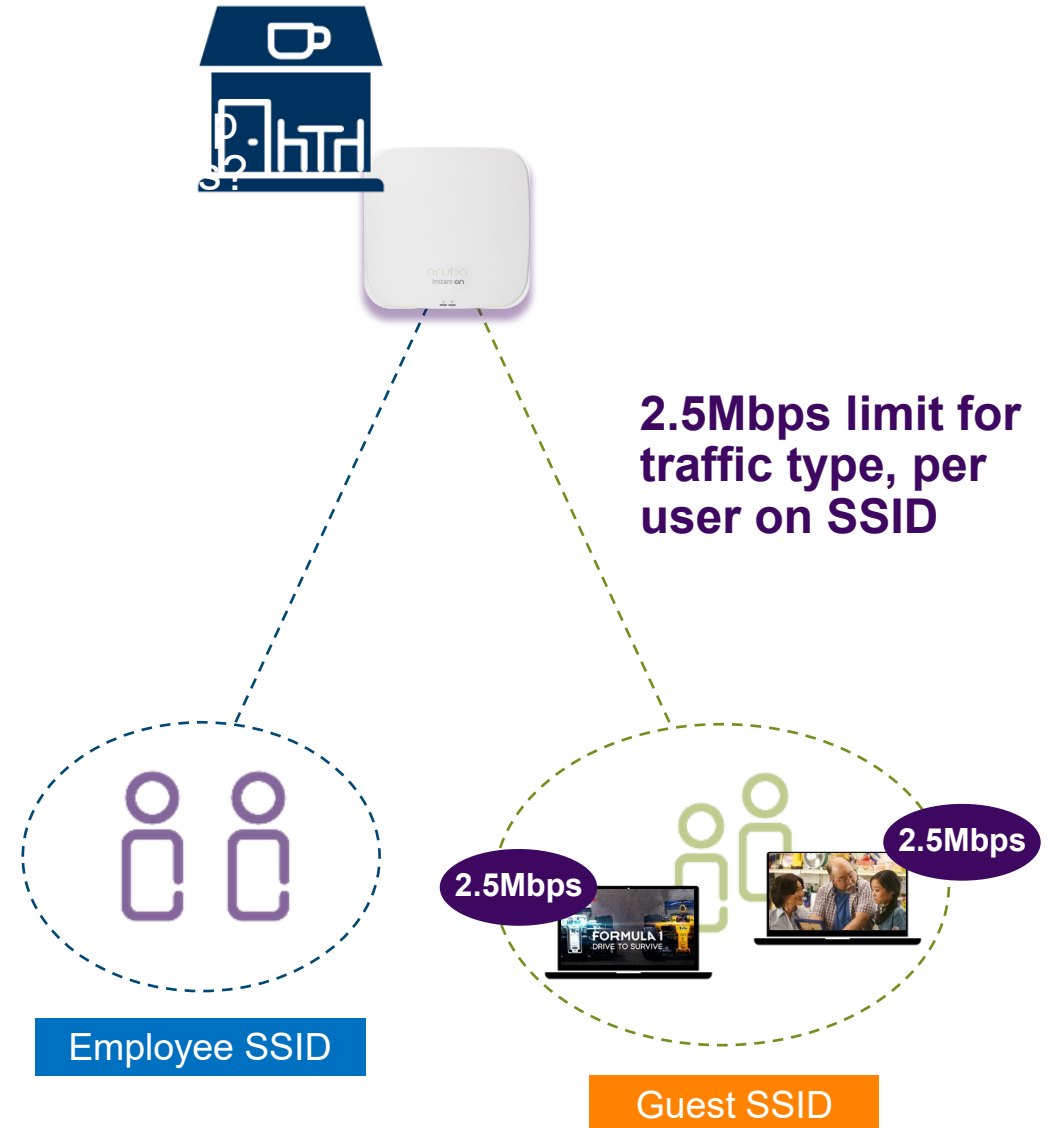


Per SSID, Per User Rate Limiting

Simple Quality of Service Control

Control bandwidth use during peak hours

- Limit video bandwidth to 2.5Mbps (720p) per user on an SSID
 - > 4Mbps needed for 1080p HD
 - Day of the week, set hours
- Easy to setup different QoS rate for employee network if needed
- Simple to configure via mobile app or web

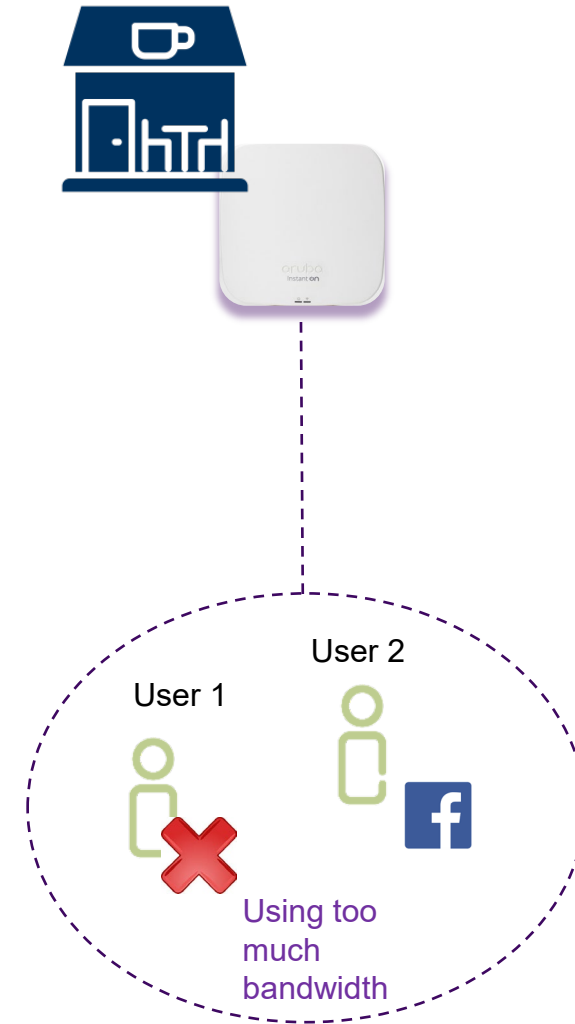


Client/Device Blocking

Fast and Easy Performance and Security Fix

Simple MAC address blocking

- Notice user/device using over consuming bandwidth
- Takes minutes to keep person or device from using the network
- Implement via mobile app or web



October, 2019

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Instant On

Ver 1.3 Features Update



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Agenda

1. Integrated gateway and firewall
2. App/web traffic visibility and blocking
3. Support for popular guest Wi-Fi portals
4. Mobile app enhancements
 - Enhanced troubleshooting
 - New installation wizard
 - 2 new languages
5. Automated regulatory table (DRT) updates

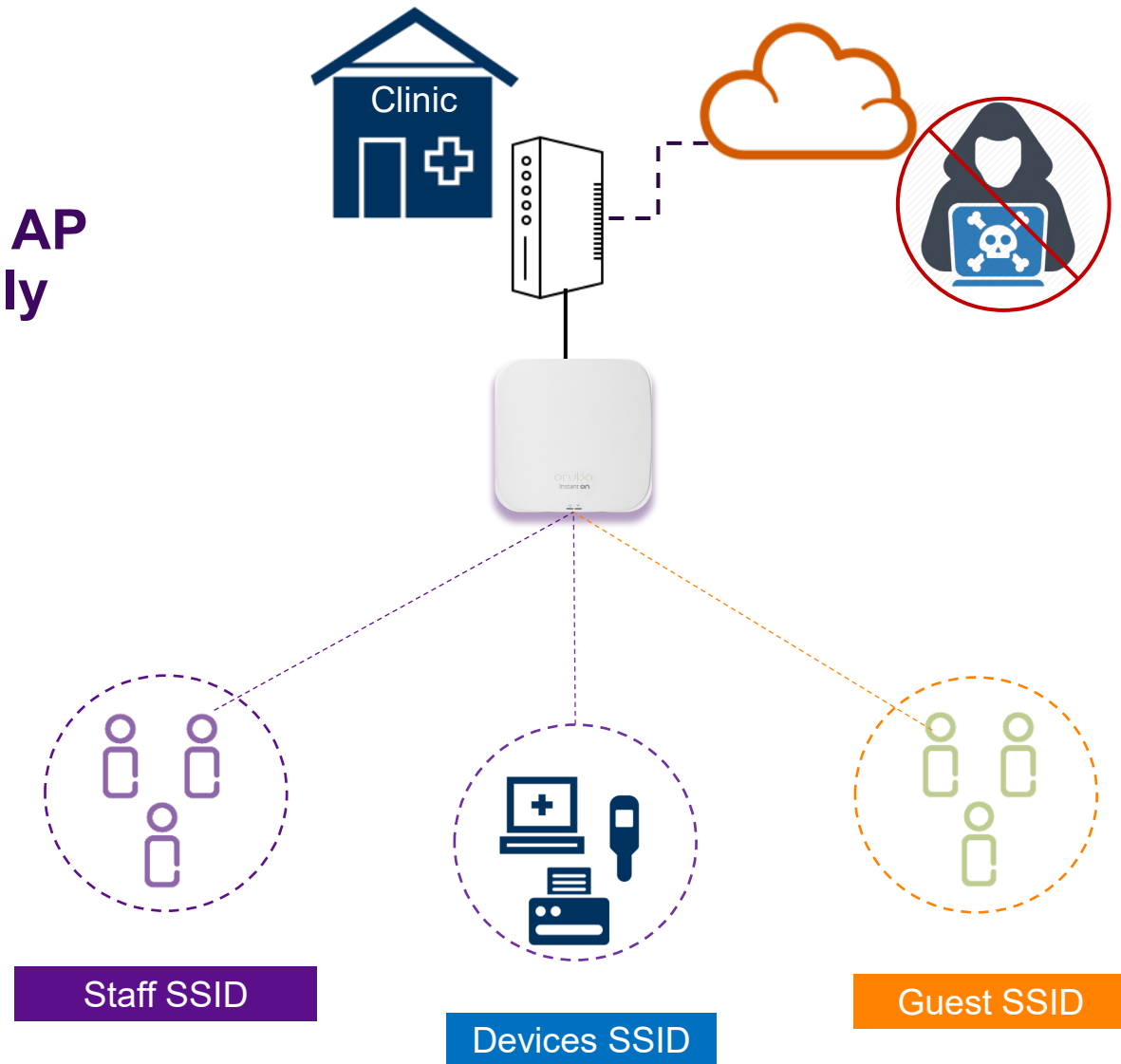


Integrated Router and Firewall

No need for External Devices

Gateway function lets you connect an AP directly to a modem while automatically blocking traffic initiated from outside

- Now, the AP can assign DHCP IP addresses and perform NAT for clients, *and* for other wired/mesh APs
- Keeps business computers and IoT devices safer
- Added protection without buying extra hardware or software services
- Rules are pre-built for hassle free security

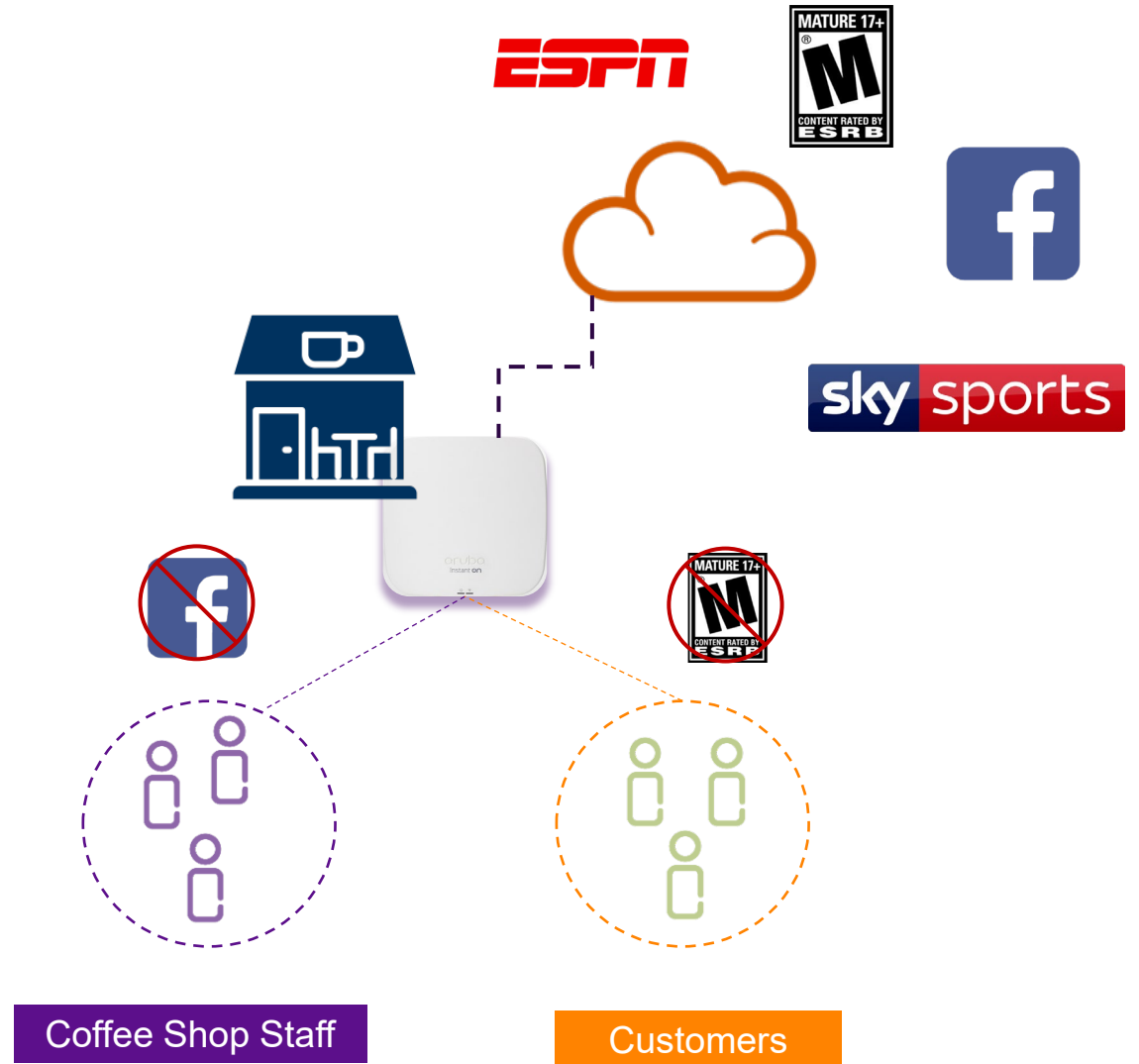


Traffic Visibility and Blocking

For Apps and Web Traffic Categories

Spot common apps and filter by network

- Visibility into app and web traffic using integrated deep packet inspection engine
 - Understand resource usage and spot unwanted traffic
- Easily block up to 19 categories of content
 - Sports, adult entertainment, social networks, gaming...
- All without an external firewall, enabling simplicity and cost savings



New Support for Guest Logins

Popular guest access portals and Facebook Wi-Fi

Easy to use guest portal integration

- Simple login using third-party portals or social logins
- Leverage partner analytics for data on users, behavior and visits
- Facebook Wi-Fi also supported for social logins, likes, and easy guest experience...



Enhanced Troubleshooting using Bluetooth

No Cabling Required

APs tell you when there's a problem during initial setup

- I'm not connected to the network
- No IP address, authentication failed, no Internet access
- Mesh AP detected and up
- Works with Instant On Mobile App
- Helps simplify troubleshooting without climbing on a ladder to diagnose
- Unique to Aruba Instant On

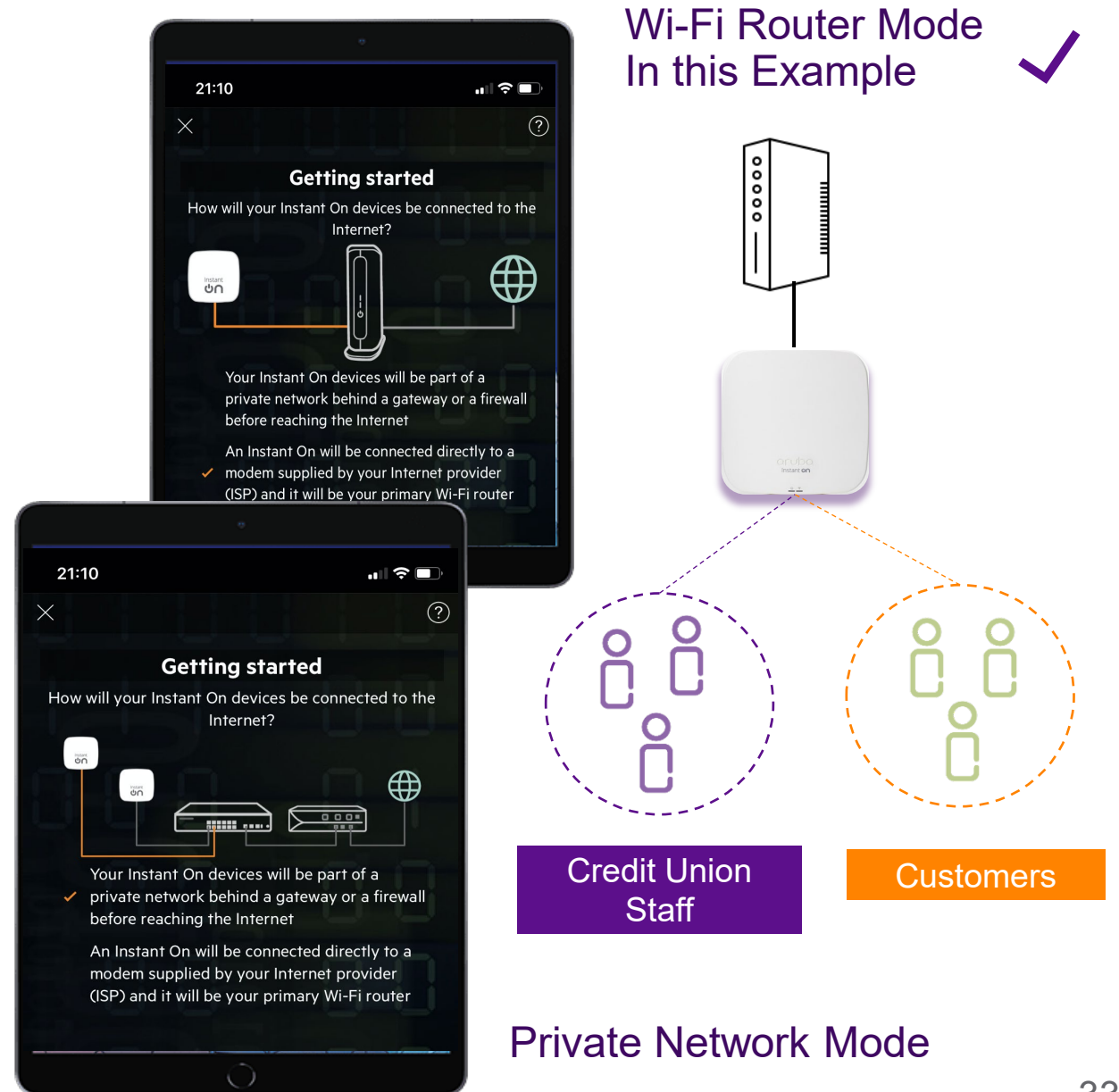


Installation Wizard

Step-by-step installation guidance

No need to look at physical documentation to deploy your network

- Makes it easy for non-Tech staff to deploy Wi-Fi
- Just match your setup to the image in wizard
- Two (2) basic AP modes:
 - **Private Network:** acts as DHCP server for guest clients only
 - **Wi-Fi Router:** provides IP addresses to all other APs



Expanded Mobile App Support

2 New Languages (now 10 in total)

English plus;



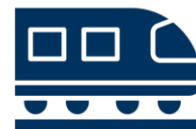
Korean

Chinese (traditional)

- Chinese (simplified)
- Japanese
- French
- German
- Italian
- Spanish
- Portuguese

Go Anywhere administration for partners with customers in multiple regions

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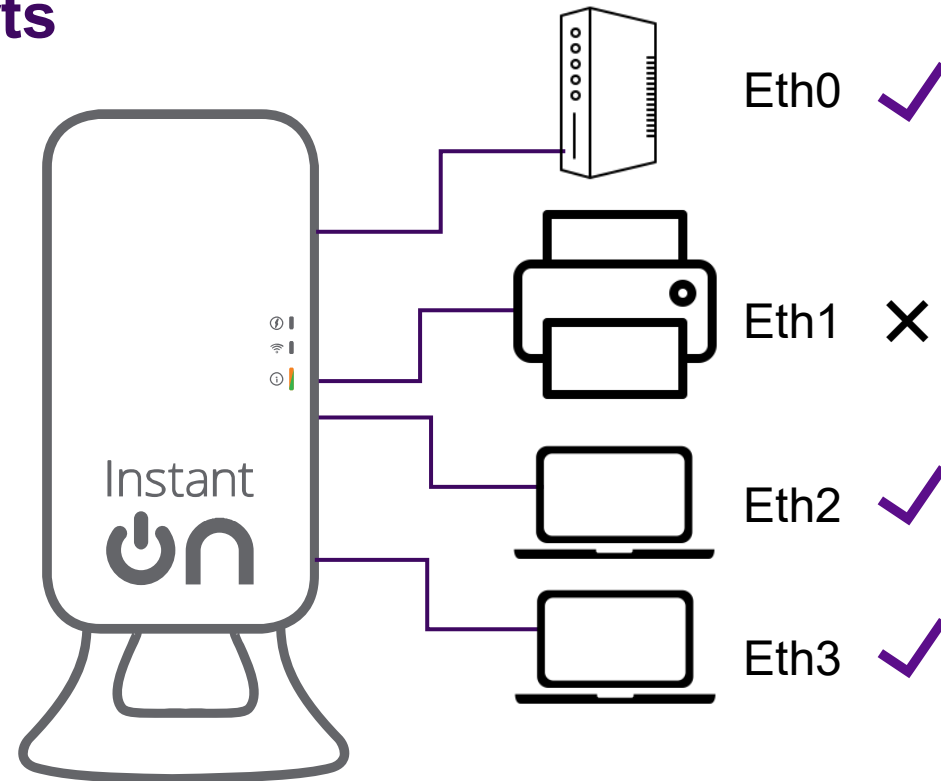


AP Wired Port Visibility

Built-in Ethernet Ports Just Got Smarter

Real-time status on how the your ports are working

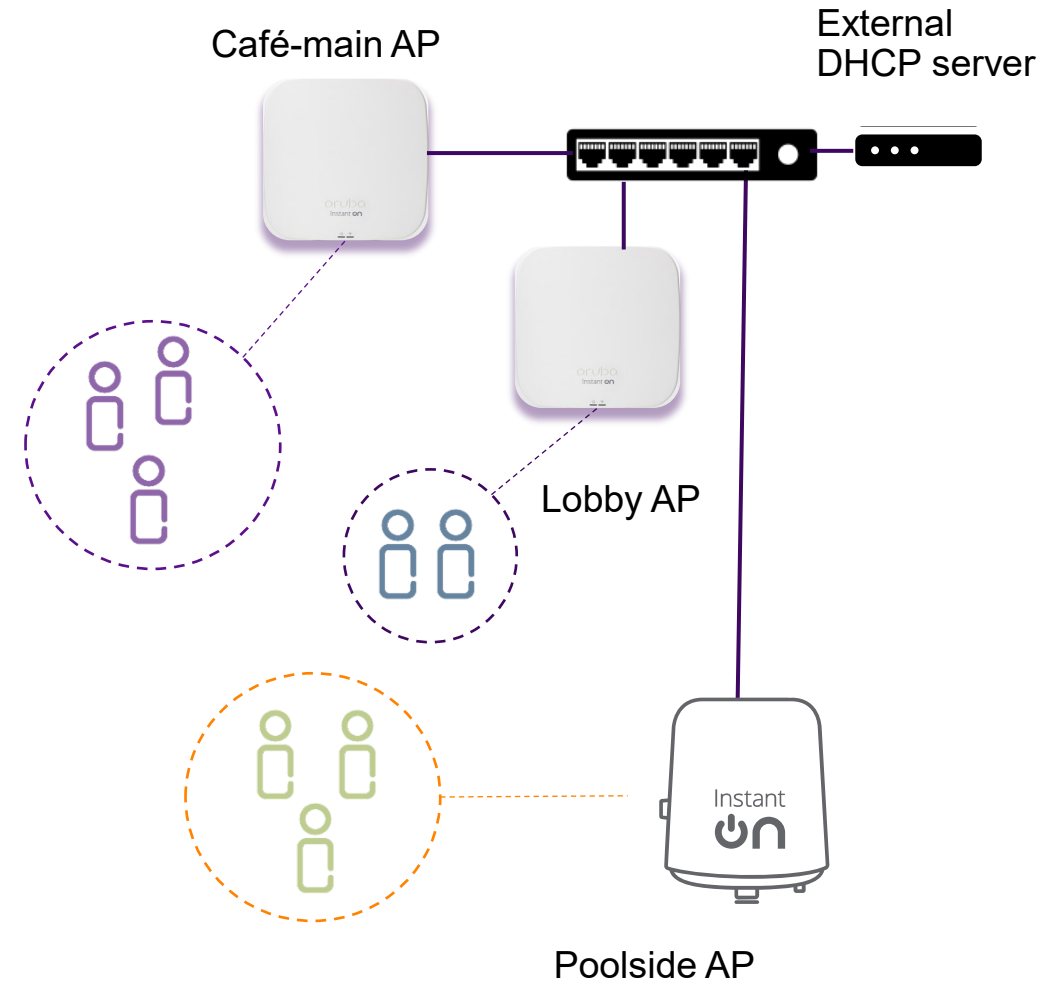
- Port status (Link up/down)
- Port speed negotiation
- Download and upload speed
- See the status of ports on any AP with Mobile or web
- No need to send someone out to look at LEDs or climb ladders



Easy to Configure AP Hostnames

IT Time Saver

- Useful in deployments where there is an external DHCP server
- See Status and Stats of an AP by Area, Location, Etc.
- Hostnames are easier to remember than IP addresses for faster troubleshooting
- Makes reports easy to read



Jan 2020

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Ver 1.4 Features Update



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Agenda

1. PPPoE / static IP settings
2. RF controls:
 - a) Ability to control network band
 - b) Ability to control channel bandwidth
3. Performance improvements (DPI)
4. Open guest network
5. Applications and client visibility enhancements
6. Gateway availability enhancements
7. RADIUS proxy / NAS IP
8. LED quiet mode
9. Features to share internally and with partners

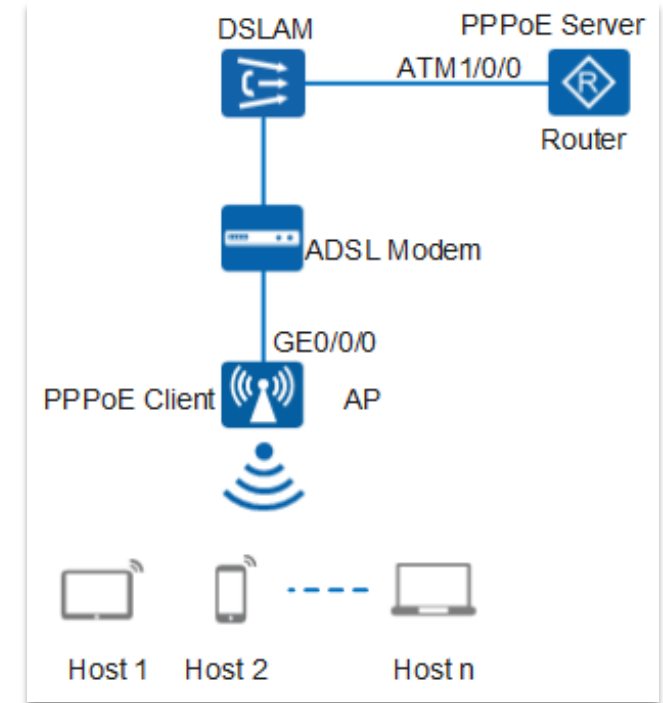


PPPoE*

Assign static IP address to an AP while connecting the AP to the ISP's PPPoE server

- Until now, Instant On Access Points(AP) required DHCP IP only. Now, we can assign a static IP address to the AP
- Instant On APs now support PPPoE. With this, APs can authenticate and get connected to the ISP's PPPoE server using their uplink.
- **How it works?**
- After the AP boots, it will broadcast an SSID InstantOn-AB:CD:EF
- Connect to this SSID and use the web browser and enter the URL <https://connect.arubainstanton.com>. Enter the authentication credentials and you are done

* needs to be tested with all the ISPs in the respective countries



The screenshot shows the Aruba Instant On web interface for an Aruba Instant On AP11D. The 'IP addressing' section is highlighted, showing the 'PPPoE' option selected. The 'Username' field is set to 'user1', the 'Password' field is set to 'user12345', and the 'Service name (if required)' field is empty. A note states: 'By default, both PAP and CHAP user name, and password/chap-secret are saved. Authentication will be based on ISP requests.' The 'Device Information' section shows the model as 'Aruba Instant On AP11D', the last restart cause as 'AP rebooted Tue Jan 21 20:09:31 UTC 2020; CLOUD cmd at uptime 0D 1H 20M 0S; write erase all reboot', and the software version as '1.4.0.0 (Build 73981)'. The 'Portal connectivity' section shows the 'Instant On portal status' as '-' and the 'Device onboarding status' as 'Error'. The 'Device local time' is '2020-01-17 17:35:53 (UTC)' and the 'Time source' is 'Instant On Portal'. At the bottom right, there are 'CANCEL' and 'APPLY' buttons, with a note: 'Changing these settings will restart the device'.

RF Enhancements and Controls

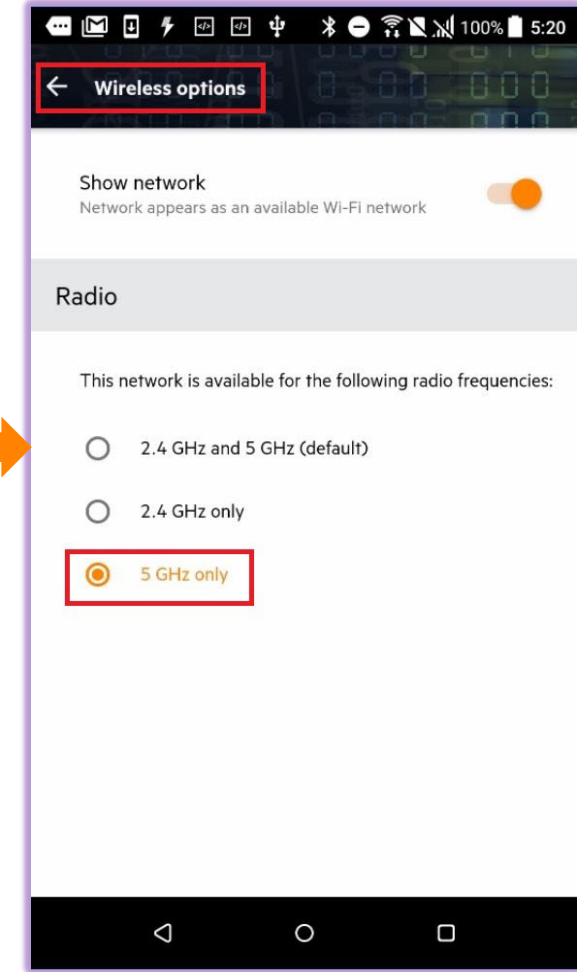
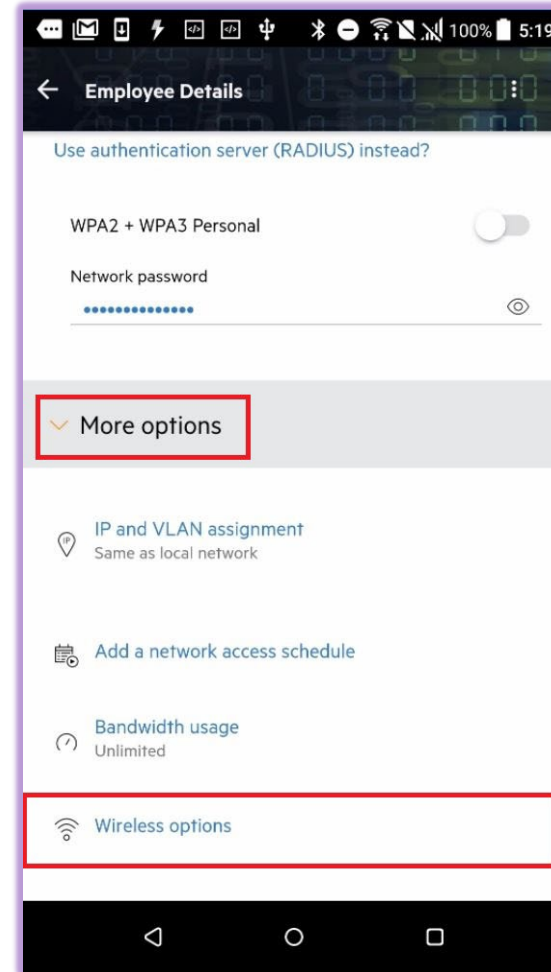
- Control network band
- Control channel width

Ability to control network band

- User can now select the network band of operation from the below options
 - 2.4GHz and 5GHz
 - 2.4 GHz only
 - 5GHz only
- In order to keep the config simple, this ability is only in the advanced tab that's not expanded by default (Figure).

Customer benefit:

- Certain devices can only operate at a specific band.
- This feature is also useful for the CEDIA market



2.4 GHz (802.11b/g/n)

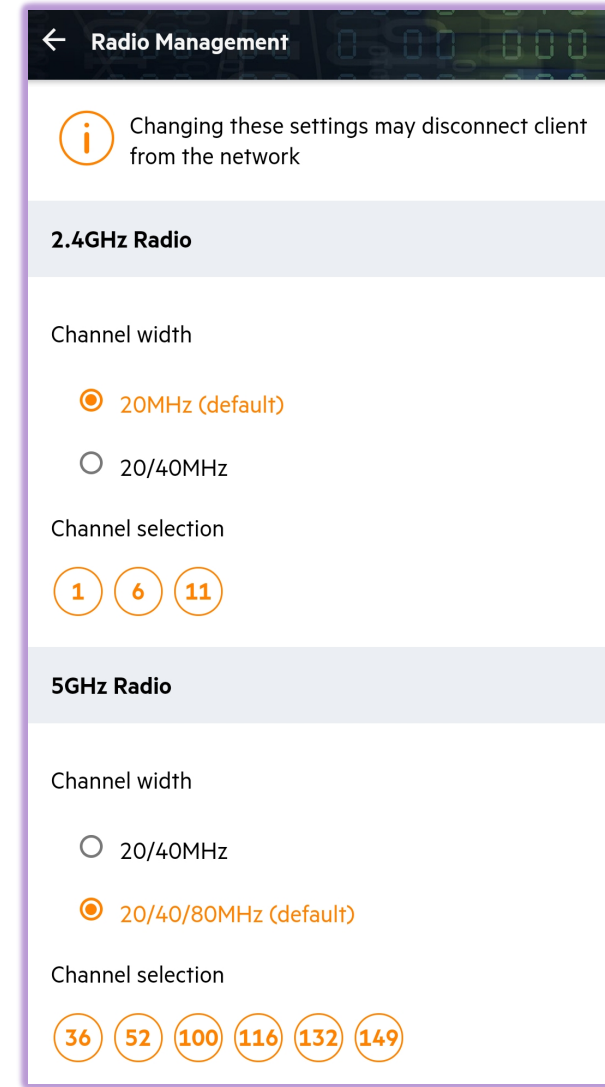


5 GHz (802.11a/n/ac)



Ability to control channel width

- Users now have the ability to select different channel widths in the different radios as shown in the figure
- These configs are under the advanced tab to keep the overall config simple
- Customer benefit:
 - Ability to fine tune the network according to the customer's specific requirements

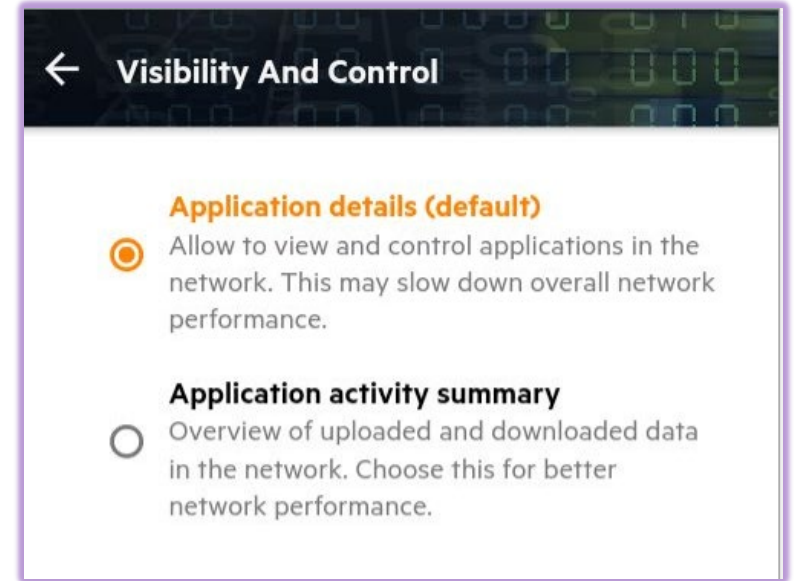


Key Performance Improvements

Ability to turn on/off DPI

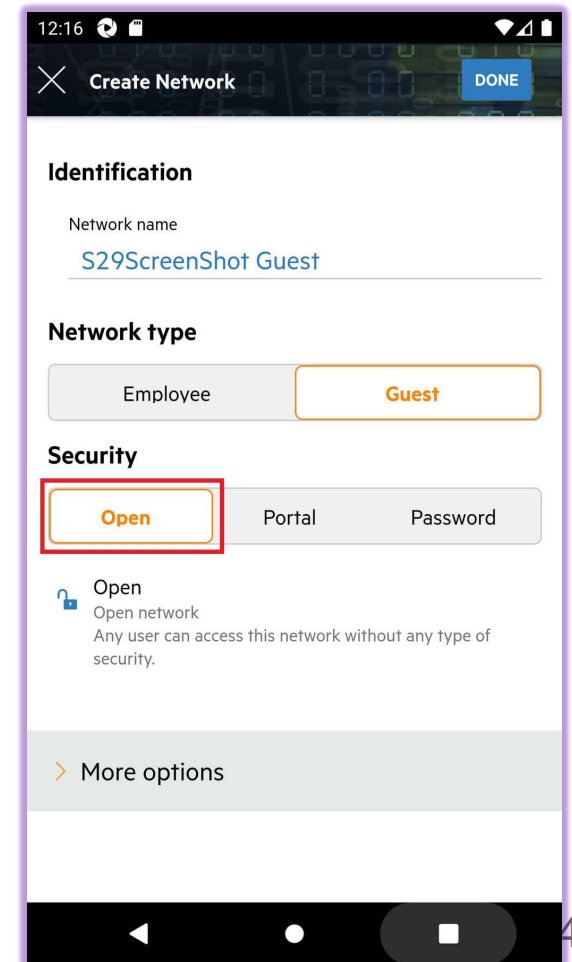
Under Visibility and Control, there are two options

- Application details shows all apps used (turns DPI on)
 - Application activity summary disables DPI (no visibility into used apps)
 - Improves throughput of the AP in high density environments
- Instant On APs have DPI and FW functionality built-in which is a huge value add.
- Competitors like Ubiquiti and others do this on a separate GW/FW and charge extra
- DPI impacts performance. This feature is primarily for customers who prefer performance over DPI:
- We now have an option to turn off DPI which potentially increases throughput on the AP



Open Guest Network

- This is the ability to have an open guest network without Captive portal or PSK
- Guests will now be able to directly connect to the Wi-Fi without entering any details or going through additional steps
- **Customer benefit**
- Simplified guest onboarding experience as config for the admin



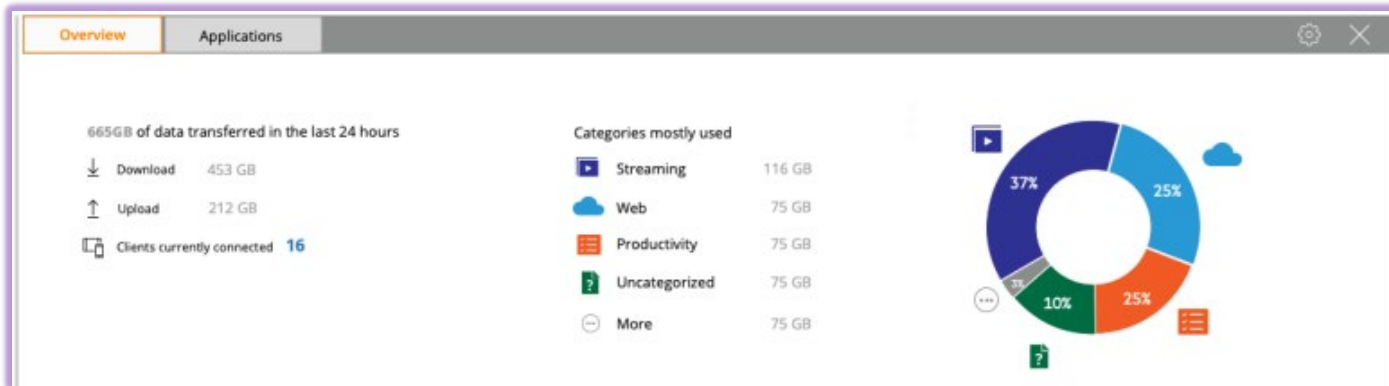
App and client visibility enhancements

- Visibility of top 5 apps
- Alert message to clients if an app is blocked in their network
- Enhancement of client blocking config and visibility

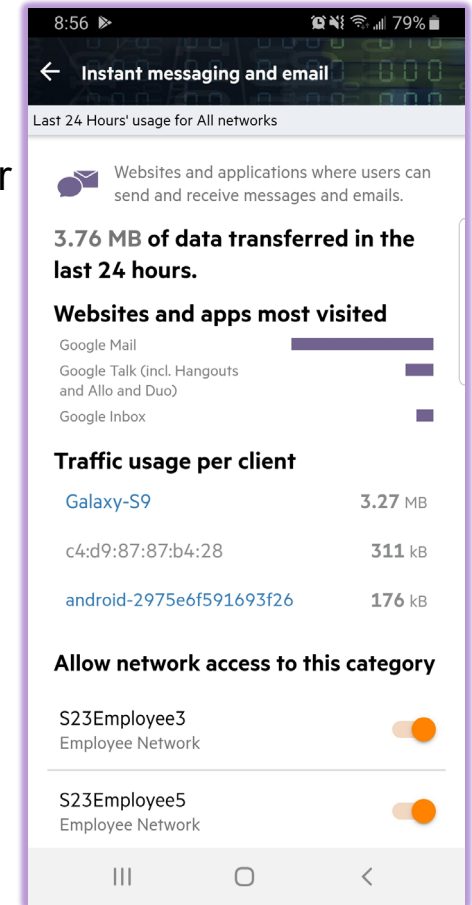
Application visibility enhancements

Enhanced visibility of apps:

- View top 5 applications in client page



Ability to view traffic usage per app per client



Alert messages to clients if an app is blocked on the network:

- Client gets a notification when an app is blocked for http only.

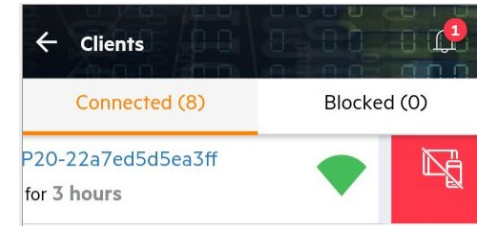



Access to this website is blocked by the web policies set by the site administrator

Client blocking visibility enhancements

Block / unblock apps from Networks page

- Simplification of config for blocking clients
- Easy visibility of blocked clients



Connected clients (2)		Blocked clients (2)								
Name	Network	Device	Duration	Signal	IP Address	MAC Address	OS			
> iPhone	S03_gpsk	AP11Sec-CNJ0K9T2LQ	4 minutes ago	🟢	172.18.0.118	70:ec:e4:0e:34:07	🍏 iPhone			
> OfficeConnectL	S03_guest_open	AP12-CNHJSS01W	9 minutes ago	🟢	172.16.0.223	9c:da:3e:1a:e1:cc	🖥️ Windows 8			

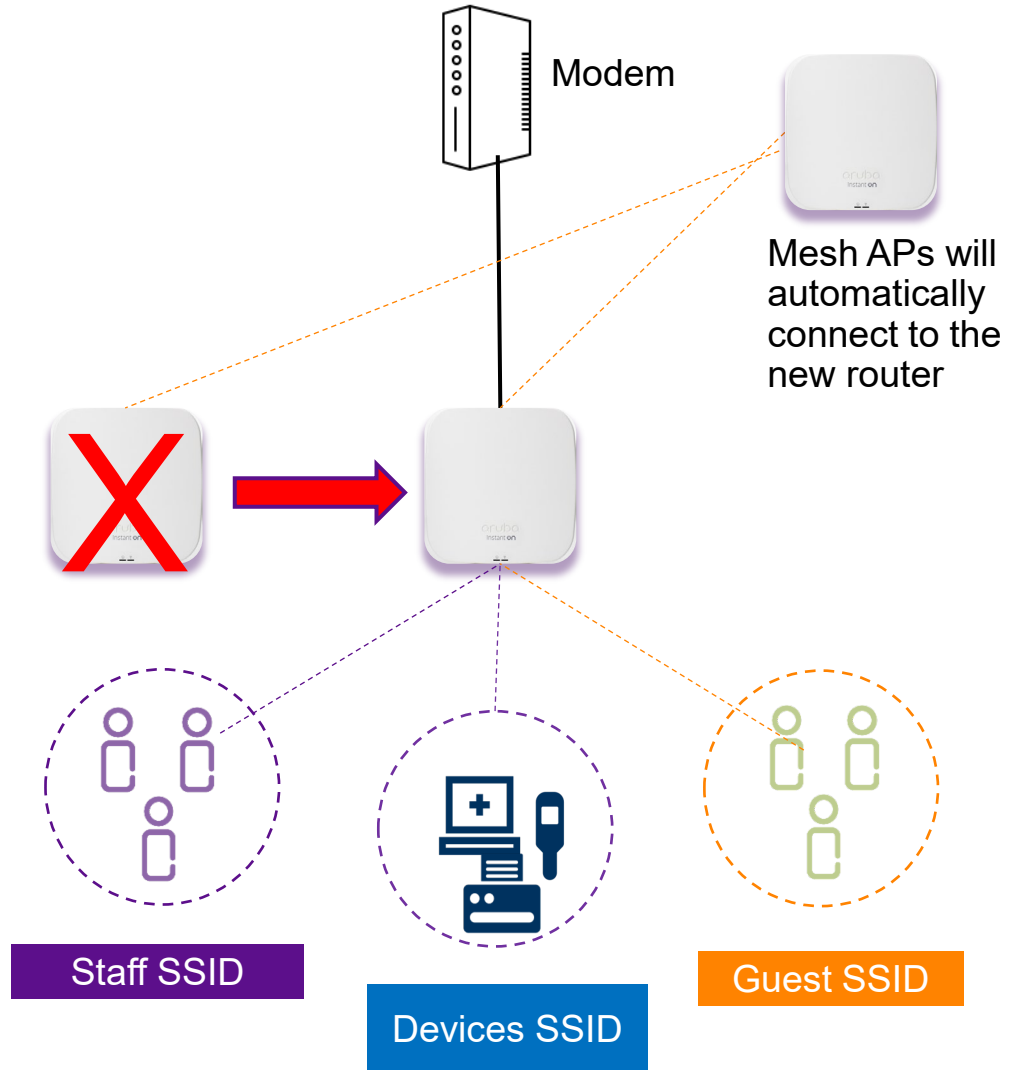
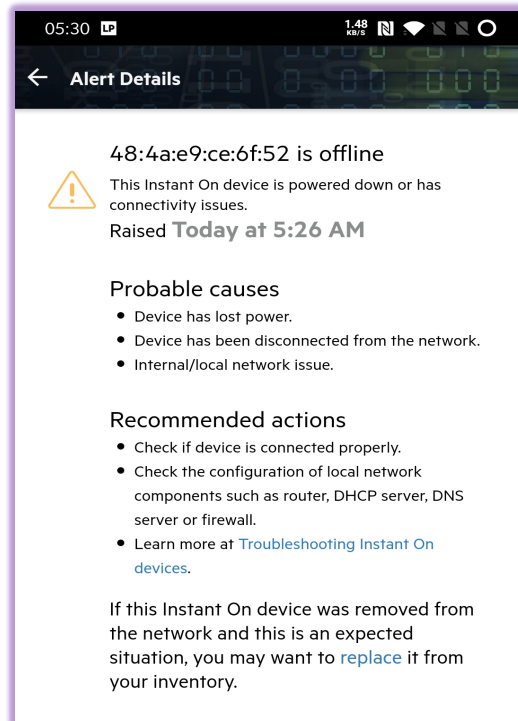
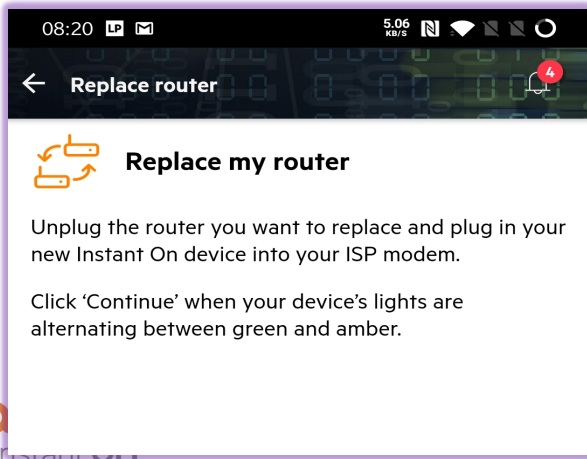
Blocked client

GW availability enhancements

- In the router mode, if the main AP (GW) fails, there is now an ability to swap it out with a new AP.
- For faster resolution, an existing AP in the site can also be used to replace the router that is down.
- Mesh APs will automatically connect to the new router

Customer benefit

Quick downtime resolution



RADIUS proxy / NAS IP

- Now, there is an ability to add a single NAS IP in the external RADIUS server which represents all the APs in the network.
- This eliminates the need to add the IP addresses of all the APs in the network and simplifies configuration
- A NAS-IP should be a statically assigned address that never changes in the network (in case of failover in the network)

Customer benefit

- Simplified Configuration

**If you select the first choice (which is the default), you will need to configure your RADIUS server to accept requests from all the APs IPs in the network

**If you select the second choice, you need to specify the IP address you want to use AND your RADIUS server to accept requests from that IP address

< NAS IP

The NAS IP options below determine how RADIUS authentication behaves across all networks

Use device IP (default)
RADIUS requests and NAS IP will originate from each device authenticating the clients

Use a single IP
RADIUS requests and NAS IP will originate from a single IP address representing the site

Site NAS IP address
192.168.1.253

LED quiet mode

- This is the ability to turn off the LEDs on the AP through software

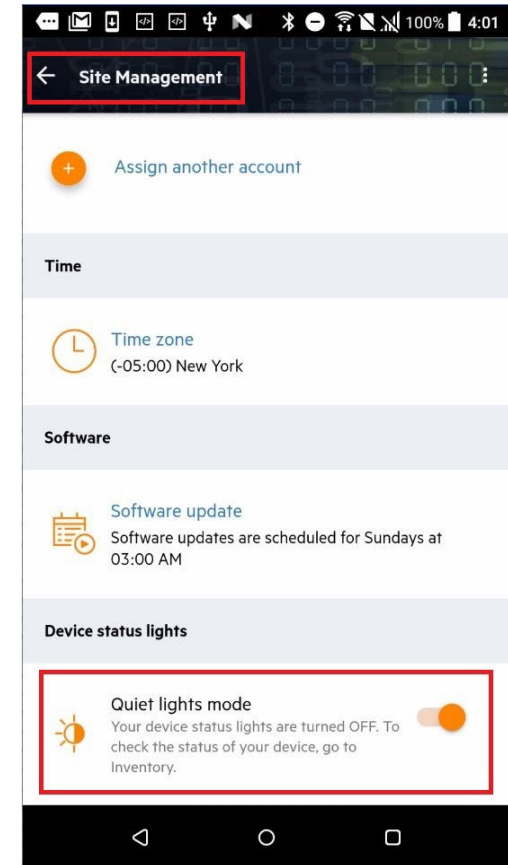
Customer benefit

- To maintain ambient lighting and not cause “light pollution”

**Note: this capability is NOT available in the hardware and is only controlled through the mobile app



LEDs



A pair of hands is shown in silhouette, pressed together in a prayer or thanksgiving gesture. The hands are positioned on the left side of the frame, with the fingers pointing upwards. A bright sun is visible behind the hands, creating a lens flare effect. The background is a warm, golden-yellow gradient, suggesting a sunset or sunrise. The overall mood is one of gratitude and appreciation.

Thank you!