

Executive Overview

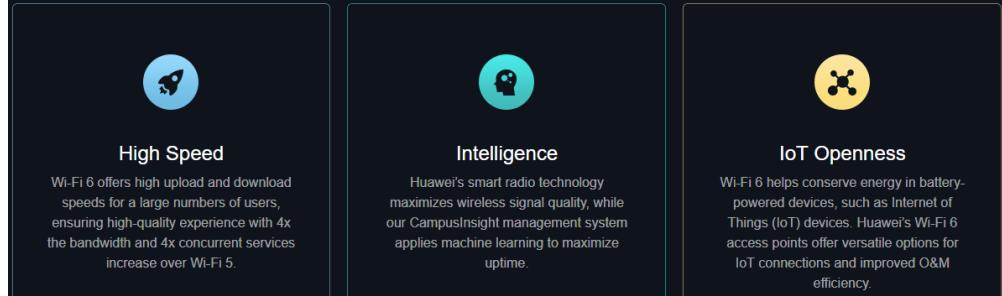
CommScope RUCKUS vs. Huawei

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May 2020

What Huawei is saying

Huawei Technologies Co., Ltd is a China-based networking and telecommunications equipment manufacturer. Huawei's product line is based on its "Four Engines" concept – AirEngine, CloudEngine, NetEngine and HiSecEngine. The Enterprise WiFi6 products have been rebranded as AirEngine. The emphasis has evolved into high availability, always on, secure networks for increasing numbers of users and IoT devices. Huawei are also promoting 5G integration.



Huawei offers a range of solutions that function directly alongside WLAN deployments, as well as larger infrastructure solutions, including storage, data, security, IoT and communications products. Huawei have several complementary operations and maintenance (O&M) platforms that are promoted being able to cover all requirements for WLAN deployments. Huawei are in contention for multiple national 5G roll outs, which is proving controversial.

Huawei Strengths

- Huawei offers a complete networking portfolio including wireless, switching, routing, security, IoT and SD-WAN
- Strong channel in APAC, EMEA and LATAM regions
- Extremely aggressive pricing
- Give away deals with ISP
- Very large sales force with C-level Access
- Willing to send SE's/Engineers on-site for long periods with customers
- Well developed partner channel and programs.
- Long term tactics remove vendor by give away practice

Huawei Weaknesses

- WLAN is not a core competency or focus
- Confusing product line with multiple options
- Access Points have no revolutionary features
- AP's cannot be moved between controller platforms
- Reports of poor experience with support
- Reports of lack of experienced and language from field SE's
- Perceived security vulnerabilities
- Unproven technical claims i.e. free roaming from LTE to Wi-Fi
- Marketing with unreal product features
- They do not have any AI/ML enabled proactive Network Analytics.

Key Ruckus Advantages for End Customers

- **WLAN and RF expertise** Ruckus was founded on the principle of providing great Wi-Fi experiences
- **Better Wi-Fi, fewer APs** Higher performance means less to buy, install, and manage. (APs, licenses, cabling, switch ports and installation and support. Every Ruckus Access Point can be run on any Ruckus controller platform
- **Multi-Purpose Switches** Ruckus ICX switches can be deployed as standalone, stacked or in a campus fabric.
- **Integrate IoT into IT workflows** Configure, onboard, and manage like any other user or device.
- **Enterprise LTE** OpenG™ LTE is Ruckus' vision is to enable organizations to deploy private LTE as easily as Wi-Fi without costly operator engagement.
- **Expertise without expensive training** Ruckus' focus reduces complexity without sacrificing features or performance.
- **Secure unlimited devices per user easily** DPSK is a powerful BYOD strategy that combines ease of use with device tracking and accountability.
- **A highly-scalable one-stop access network manager** for wired and wireless with built-in reporting, troubleshooting, and guest access. No extra systems (like eSight) to install, configure, license, and manage. Scales to 30,000 APs.
- **Deployment flexibility and future-proof** Every switch supports standalone, stacking, or Campus Fabric. SmartZone 5.0 introduces integrated wired and wireless management from one platform.
- **Reduced downtime and risk** SmartZone supports new AP hardware without upgrading the entire controller, reducing the need for redundancy and downtime. ICX complements with active: active redundancy and in-service stack updates (ISSU).

Key Ruckus Advantages for Partners

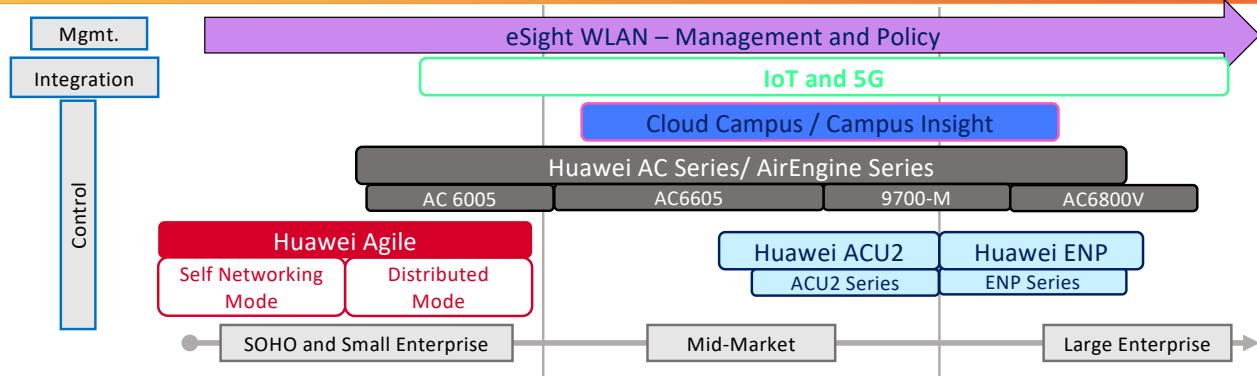
- **Better reseller contracts** Huawei Partners are tied into lengthy legal contracts with high targets
- **No costly training requirements** Huawei Partners are required to have multiple certified staff over a large product portfolio.
- **SmartZone for MSPs** Deploy SmartZone once, sell wired and wireless WaaS hundreds of times. Add deep analytics, Ruckus IoT, highly featured, upgradeable switches, and SPoT for upsell.

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Product Positioning

Ruckus Solution	Huawei Product
<p>Ruckus WLAN deployments are easy to set up and scalable. Access Points can be bought for one platform then easily migrated</p> <ul style="list-style-type: none"> Unleashed is a controller-less solution that provides a controller-level feature set and deploys in minutes. Ruckus ZoneDirector is an SME WLAN controller and supports upgrade from Unleashed without costly replacement or re-licensing. Ruckus SmartZone is a powerful network access network controller that deploys with high availability options. Ruckus Cloud combine reliability and ease of use to provide Wi-Fi and ICX management to you can count on in even the most challenging environments with integrated Ruckus Analytics who is embedded in the system. <p>Ruckus R730 is one of the first 802.11ax Access Points to market. Ruckus R850 is the replacement of R730 with 802.11ax certified. Ruckus R750 is currently our high scale 802.1ax Access Point.</p>	<p>Huawei Agile is a scenario-specific product for small business environments. The Remote Unit Access Point are locked to the solution and can not be migrated to alternative platforms.</p> <ul style="list-style-type: none"> Huawei AC, AirEngine, ACU2 and ENP Series Controllers manage Huawei Access Points. The solutions are difficult to scale and require replacement of hardware or additional hardware to manage increased numbers of Access Points. The new AC6800V Access Controller has been designed for large enterprise Huawei Cloud Campus is a cloud-based controller for Small-to-Medium enterprises. A new product called Huawei Campus Insight related to cloud has been introduced. <p>Huawei's eSight offers planning, configuration, monitoring and diagnostics for Huawei Devices. The analytics in eSight are aligned with the functions available in Ruckus SCI. eSight licensing is very high cost.</p>

WLAN Product Mapping

Ruckus Solution	Huawei Product
Ruckus Unleashed/ ZoneDirector / SmartZone	→ Huawei Agile
ZoneDirector 1200 / SmartZone 100 / vSZ-E	→ Huawei AC / Air Engine e/ ACU2 Controller
SZ100 / vSZ-E	→ Huawei AC / Air Engine / ACU2 / ENP Controller
SZ 300 / vSZ-H	→ Huawei ENP / Air Engine / AC6800V Controller
Ruckus Cloud	→ CloudCampus
Ruckus Analytics / SmartZone OS, Cloud, SCI	→ Agile Controller /CloudCampus + eSight
Features of SWiPE, SpeedFlex, ZD Remote	→ CloudAPP - Plan, Operate, Maintain ICT Infrastructure
Ruckus IoT	→ Multiple IoT Products
SWIPE App (AP Deployment)	→ Mobile O&M App (AP Deployment/Monitoring)
Features of SWiPE, SpeedFlex, ZD Remote	→ eSight Mobile – O&M Functions
Cloudpath	→ Agile Controller Campus
Yagna	→ Huawei WLAN Planner

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Wi-Fi 6 (802.11ax)

Ruckus AP R730 and R750



Maximum PHY Rate

R730

- 2.4GHz: 1.148 Gbps, 5GHz: 4.8 Gbps

R750

- 2.4GHz: 1.148 Gbps, 5GHz: 2.4 Gbps

Radio Chains: Streams

R730

- 2.4GHz: 4x4:4, 5GHz: 8x8:8

R750

- 2.4GHz: 4x4:4, 5GHz: 4x4:4

Huawei AirEngine 8760-X1 6760-X1 & 6760-X1E

Indoor 802.11ax Access Point.

Referred to as 10G Capable, this likely refers to the backhaul, that can be by copper or fiber. Spec sheets give a basic capability of 8.35Gbit/s and RTU upgrade to 10.75Gbit/s



AirEngine 8760-X1 benefits from built-in Smart Antennas, with 16 spatial streams and support SDR with IoT embedded

Radio Chains: Streams

2.4 GHz: 4x4:4; 5 GHz: 12x12:8

2.4 GHz: 4x4:4; 5 GHz: 0: 8x8:8; 5

GHz-1: 4x4:4

Controllerless Architectures

Ruckus Unleashed

Ruckus Unleashed is a controller-less WLAN solution that enables small businesses to deploy great Wi-Fi in minutes, affordably.

Scalability

- Up to 128 APs per network
- Up to 2048 clients per network
- All APs can service clients

Network Management

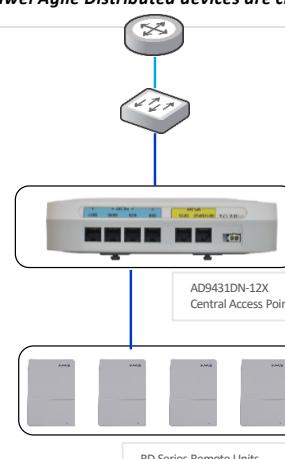
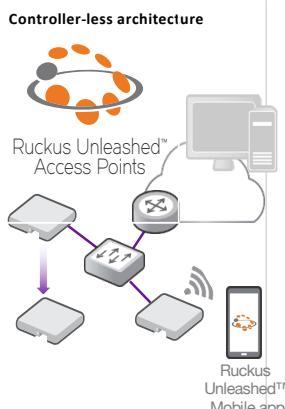
- Unleashed Multi-Site Manager (UMM) scales Unleashed with a lightweight application that doesn't require heavy resources or a dedicated master console for larger deployments.
- Remote management of up to 10 networks with free Unleashed Mobile app
- Option to send an invite for remote management via Mobile app

Flexibility

- Migration to ZD/SZ controller
- Migration to Ruckus Cloud Wi-Fi
- Wireless mesh
- GW mode AP

Huawei Agile Distributed – Self Networking Mode

Huawei Agile Distributed devices are classed as "Scenario Specific" products.



Huawei does not currently have a product that aligns with Ruckus Unleashed. There are some similarities in the Huawei Agile Distributed architecture in Self Networking Mode.

Overview

Remote units provide extended radio capacity to host AP. There is no Huawei Access Controller in this setup.

Scalability

- Central Access Point or Switch
- Up to 24 or 48 RU's per Central Access Point
- Up to 4096 Users

Network Management

- Compatible with eSight Network Management System

Flexibility

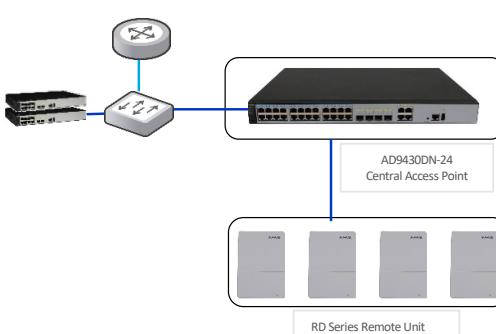
- No additional licensing required for RU's
- Central AP can be upgraded to Access Controller mode.

Limitations:

No mesh

Huawei Agile Distributed

Huawei Agile Distributed - Self Networking Mode can be upgraded to a full Huawei Agile Distributed system with a configuration change from the GUI.



Overview

Remote units provide extended radio capacity to host AP. The Host AP is managed by an Access Controller.

Scalability

- Central Access Point or Switch
- Up to 12 or 24 RU's per Central Access Point
- Up to 4096 Users

Network Management

- Compatible with eSight Network Management System

Flexibility

- No additional licensing required for RU's
- Central AP can be upgraded to Access Controller mode.

Limitations:

No mesh

There is no current Ruckus equivalent to the Huawei Agile Distributed system.

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Appliance Controller Architectures			
Ruckus ZoneDirector		Huawei AC6508 Access Controller	
Ruckus ZoneDirector 1200 - Up to 150 APs and 4,000 clients per unit <ul style="list-style-type: none"> Scalability <ul style="list-style-type: none"> Centralized or distributed data forwarding Smart Redundancy: 1+1 controller redundancy with auto synchronization Network Management <ul style="list-style-type: none"> Remote management with free ZoneDirector Remote App Centralized management with Ruckus FlexMaster Flexibility <ul style="list-style-type: none"> Migration from Unleashed Migration to Ruckus Cloud Wi-Fi or SZ Wireless mesh 			Huawei AC6508 Access Controller Up to 256 APs and 4,000 clients <ul style="list-style-type: none"> SME wireless controller Centralized or distributed data forwarding 6Gbit/s forwarding 1+1: Active Standby No virtual equivalent No clustering
Ruckus SmartZone 100 / vSZ-E Up to 3,000 APs and 60,000 clients per cluster <ul style="list-style-type: none"> Medium to large enterprise Centralized or distributed architecture Appliance-based or virtual controllers Wired and wireless management* SZ-100 carrier grade appliance vSZ-E virtual controller vSZ-D virtual wireless data plane High availability with active/active 3+1 clustering Geo-redundancy for clusters Multi-zone segmentation Perpetual licenses 			Huawei AirEngine 9700-M Access Controller Up to 2048 APs and 32,000 clients <ul style="list-style-type: none"> Medium to large enterprise wireless controller Local forwarding or data tunneled forwarding with limitations 20Gbit/s forwarding 1+1 Hot Standby No virtual equivalent No clustering
Ruckus SmartZone 300 / vSZ-H <ul style="list-style-type: none"> Large enterprise and SP Centralized or distributed architecture Appliance-based or virtual controllers Wired and wireless management* SZ-300 carrier grade appliance vSZ-H virtual controller vSZ-D virtual wireless data plane High availability with active/active 3+1 clustering Geo-redundancy for clusters High scalability with up to 30k APs and 450k clients per cluster Multi-tenancy with sophisticated zone and domain segmentation Perpetual licenses 			AC6800V Access Controller Up to 10,000 APs and 100,000 clients. <ul style="list-style-type: none"> Large Enterprise WLAN controller Centralized or locally bridged data forwarding with scale limitations 60Gbit/s forwarding 1+1 Hot Standby No virtual equivalent No clustering

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Integrated Controller Architectures

Ruckus SmartZone 100 / vSZ-E

- Ruckus SmartZone 100 / vSZ-E**
- Medium to large enterprise
 - Centralized or distributed architecture
 - Appliance-based or virtual controllers
 - Wired and wireless management*
 - SZ-100 carrier grade appliance
 - vSZ-E virtual controller
 - vSZ-D virtual wireless data plane
 - High availability with active/active 3+1 clustering
 - Geo-redundancy for clusters
 - Multi-zone segmentation
 - Perpetual licenses
 - Multi-tenancy with sophisticated zone and domain segmentation
 - Perpetual licenses



Huawei ACU2 Series Controllers

ACU2 Wireless Access Controller Unit

- Added to Huawei S7700/S9800/S12700 switch chassis.
- Each card controls up to 2,048 APs and 32,000 stations.
- Up to 11 ACU2s per switch.



Ruckus SmartZone 300 / vSZ-H

- Ruckus SmartZone 300 / vSZ-H**
- Large enterprise and SP
 - Centralized or distributed architecture
 - Appliance-based or virtual controllers
 - Wired and wireless management*
 - SZ-300 carrier grade appliance
 - vSZ-H virtual controller
 - vSZ-D virtual wireless data plane
 - High availability with active/active 3+1 clustering
 - Geo-redundancy for clusters
 - High scalability with up to 30k APs and 450k clients per cluster
 - Multi-tenancy with sophisticated zone and domain segmentation
 - Perpetual licenses



Huawei ENP Series Controllers

ENP Series Wireless Access Controller Card

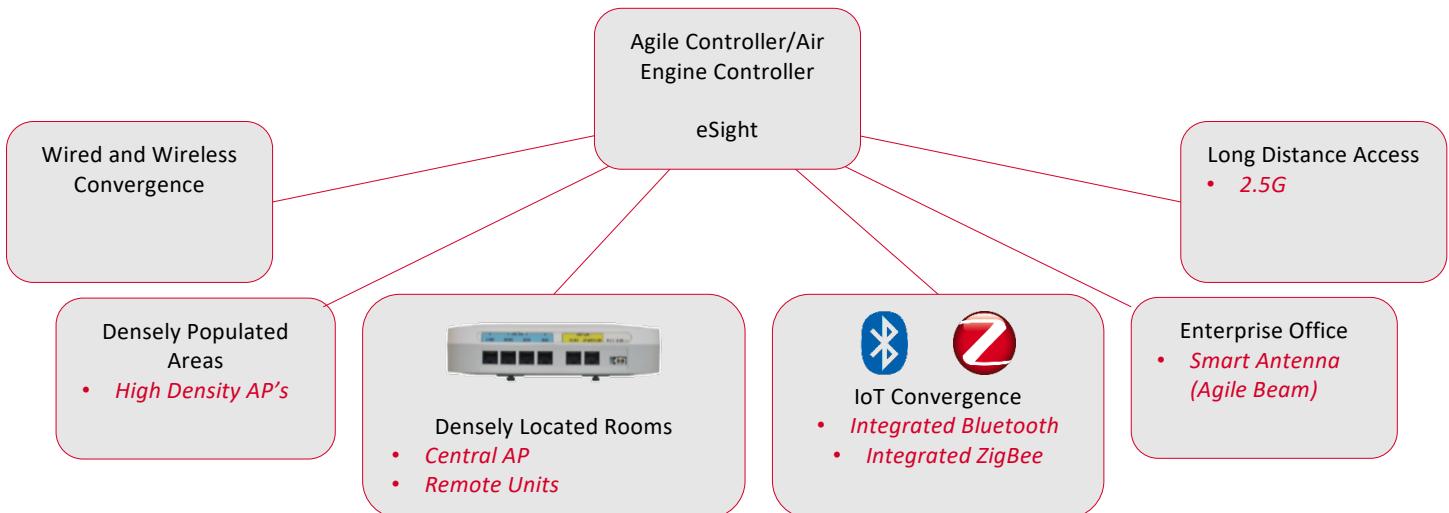
- Added to Huawei S7700/S9700/S12700 switch chassis.
- Each card controls up to 4,000 APs and 16,000 stations.
- Scalable to 64,000 stations (4 cards).



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Access Point Overview

Huawei has a large range of access points. There are many product brochures, spec sheets and technical documents to contend with on order to plan a deployment. This is confusing for buyers, and Huawei is heavily reliant on the partner channel to provide design and product support. It's not immediately clear from Huawei marketing that the access points have been designed to fit into specific deployment scenarios. These are shown above. By understanding these scenarios, you will be able to identify which Ruckus Access Points to position against the Huawei equivalent.

Note:

- 12 Huawei 802.11ac/ax Access Points have Agile Beam or Smart Antennas, whereas the entire range of Ruckus Access Points utilize BeamFlex
- Many higher spec Huawei AP's do not function on 802.3af power
- Many AP's are feature locked and can't be migrated to other scenarios or controller platforms

Technology Mapping

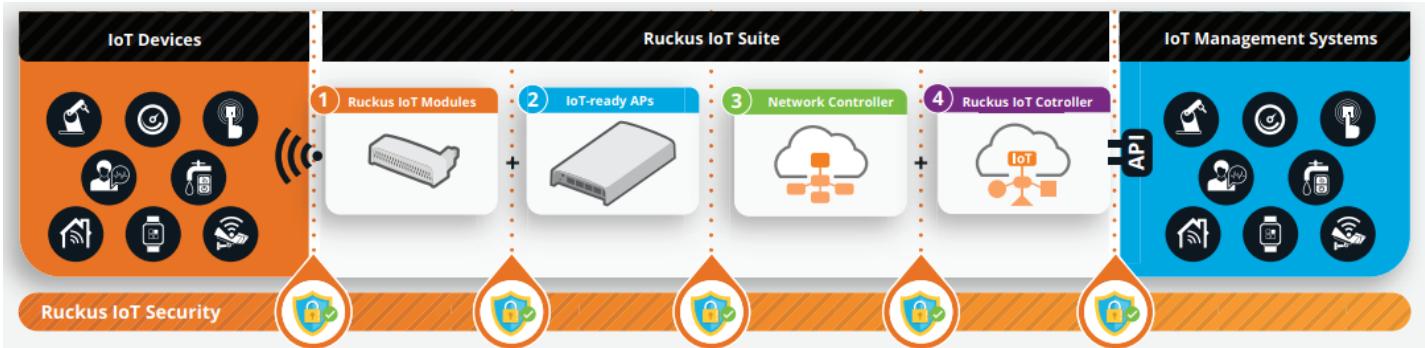
Ruckus Solution		Huawei Solution
BeamFlex	→	Limited Information
Airtime Fairness	→	No Huawei Equivalent
Airtime Polarization (PD-MRC)	→	No Huawei Equivalent
Band Balancing	→	Band Steering (2.4GHz to 5GHz) Limited use most clients favor 5GHz
Client Load Balancing	→	Load Balancing Standard AP offering
SmartCast	→	No Huawei Equivalent
ChannelFly	→	No Huawei Equivalent
SmartMesh	→	Mesh Limited Information
DPSK	→	No Huawei Equivalent
WIDS / WIPS	→	Limited Information
L3 – L7 Traffic Control	→	Limited Information
Specialty AP's	→	Various scenario specific AP's can't be migrated
OpenG	→	Limited Information
Most options are configurable from the GUI.		Many common options require CLI access to configure.

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IoT			
Ruckus IoT Suite		Huawei IoT	
<p>The Ruckus IoT Suite is a collection of network hardware and software infrastructure components used to create a converged, multi-standard IoT access network.</p> <ul style="list-style-type: none"> Ruckus IoT-ready Access Points (APs)— Accommodate Ruckus IoT Modules to establish multi-standards wireless access for Wi-Fi and non-Wi-Fi IoT endpoints. Ruckus IoT Modules—Radio or radio-and-sensor devices that connect to a Ruckus IoT-ready AP to enable endpoint connectivity based on standards such as Bluetooth Low Energy (BLE) and Zigbee. Ruckus IoT Controller—A virtual controller, deployed in tandem with a Ruckus SmartZone OS-based controller, that performs connectivity, device and security management functions for non-Wi-Fi devices, as well as facilitate disparate endpoint management coordination and APIs for northbound integration with analytics software and IoT cloud services. 		 	<p>The Huawei IoT portfolio appears to offer multiple platforms to cover every aspect of IoT connectivity. Huawei uses multiple names and descriptions for its IoT products, making it difficult to identify and what products compete in the WLAN space directly with Ruckus. The main products are::</p> <ul style="list-style-type: none"> OceanConnect - Cloud based IoT management. AirEngine – Controller based IoT management Huawei offer the open API that allow 3rd party to have their IoT gateway to be easily integrated. No security on IoT API integration.
Ruckus IoT Ready Access Points		Huawei IoT Access Point	
<p>Ruckus access points that accommodate Ruckus IoT Modules to connect both Wi-Fi and non-Wi-Fi IoT endpoints.</p> <ul style="list-style-type: none"> R750 R730 R650 R550 R720 R710 R610 R510 H510 T610 T310 E510 	 <p>Supported Protocols:</p> <ul style="list-style-type: none"> Zigbee 3.0 BLE iBeacon Eddystone LoraWan by LoraServer 	 	<p>Huawei list only a single access point as IoT compatible: AP4050DN-E:</p> <ul style="list-style-type: none"> Wi-Fi 5 (802.11ac Wave2) 2x2:2 <p>Built-in modules:</p> <ul style="list-style-type: none"> Bluetooth BLE <p>Extended IoT slots: 3. Support for:</p> <ul style="list-style-type: none"> Zigbee RFID



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Ruckus ICX Switches	Huawei Switches
<p>Multi-Purpose</p> <ul style="list-style-type: none">• Standalone• Stacked• Campus fabric (all ICX 7000 Models)• MCT <p>Standalone</p> <ul style="list-style-type: none">• Entry level switches with enterprise capabilities• Upgradable into stacks without additional hardware <p>Stacked</p> <ul style="list-style-type: none">• Standard ethernet ports for stacking• 10 Gbps SFP+• 40 Gbps QSFP+• 100 Gbps QSFP28• Up to 10KM links• Up to 12 switches per stack <p>Campus Fabric</p> <ul style="list-style-type: none">• All ICX 7000 platforms are compatible• Automatic configuration of new switches• Automated software image upgrade	<p>Ruckus ICX Switch Product Line</p>  <p>The Huawei switches are an inflexible product line with specialist switches performing dedicated tasks only.</p>  <p>There is a huge and confusing range of switches, requiring extensive research before purchasing.</p> <p>The sheer complexity of the Huawei range will present a significant challenge when planning an installation. The adaptability and easy reconfiguration of Ruckus ICS switches makes the benefits of choosing them obvious.</p> <p>Huawei Switched described as:</p> <ul style="list-style-type: none">• Fixed• Chassis• Campus <p>Switches are divided into Series, then model: (i.e. S6720-HI)</p> <ul style="list-style-type: none">• <i>Hi: Full Featured</i>• <i>EI: Enhanced</i>• <i>SI: Multi GB ?</i>• <i>Li: Light ?</i> <p>Switch Ranges:</p> <ul style="list-style-type: none">• S6720 Series - 23 models• S5730 Series - 13 models• S5720 Series - 84 models• S5700 Series - 9 models• S3700 Series - 2 models• S2720 Series - 9 models• S2700 Series - 5 models• S1700 Series - 33 models <p>The multiple options and complicated configurations makes it impossible to make a direct comparison between Ruckus and Huawei.</p>

Ruckus ICX Switches	Huawei Switches
<p>ICX Advantages:</p> <ul style="list-style-type: none">• Higher power efficiency and hence less operational cost• Modular switch portfolio and provides easy port additions or upgrades• Higher scalability with 12 switch stack support• Multiple PoE options with max support up to 90W• Bigger RAM and flash capacity<ul style="list-style-type: none">• Provides easy software management• Better logging capability• No extra cost to operate features like sFlow• Support Campus Fabric with 802.1BR port extension bridge• Ruckus ICX7150-C10ZP with PoH and 2.5/5GbE better for new Ruckus .ax	<p>Huawei limitations:</p> <ul style="list-style-type: none">• Poor power efficiency• Lesser port density, supports 9 switches per stack• No feature like MVRP• Port additions or upgrades require an entire switch replacement• No single pane unified network management tool like RUCKUS SmartZone• Stack between switches of the same series (different models is not allowed)• Inconsistent support for sFlow and Netflow across different product lines• Huawei don't have the 2.5/5GbE compact access switch.

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Independently-validated Video and Data Testing

What: A mid-range 802.11ac wave 2 AP competitive benchmark test between the Ruckus R610 and Huawei "Smart Antenna" AP7050DE. The APs were controller-managed. Three tests were performed:

1. video streaming on 60 Chromebooks with data loading on 2 Apple Mac minis
2. video streaming on 30 Chromebooks with data loading on 30 Apple Mac minis
3. video streaming on 30 Chromebooks with data loading on 30 Apple Mac minis and 60 Apple MacBook Pro

How : The tests were performed using two classrooms in a middle-grade school. All tests are 5 GHz with 40 MHz wide channels.

Why : Recent studies show enterprise adoption of video communications is the most significant driver of business IP traffic; organizations must accommodate video traffic and other latency-sensitive applications to ensure quality of experience (QoE) for it.

Test Methodology



Video Traffic

- Three Windows media servers
- 1.6 Mbps TCP unicast video stream
- Video was run from a browser started with incognito mode to avoid caching of data from multiple test runs
- Video was not looped
- Video traffic was marked with DSCP 40 on switch
- Packet captures confirmed that all APs correctly forwarded the video traffic to the AC_VI (video queue) with UPL
- Tests were not run until all video was confirmed running on all clients

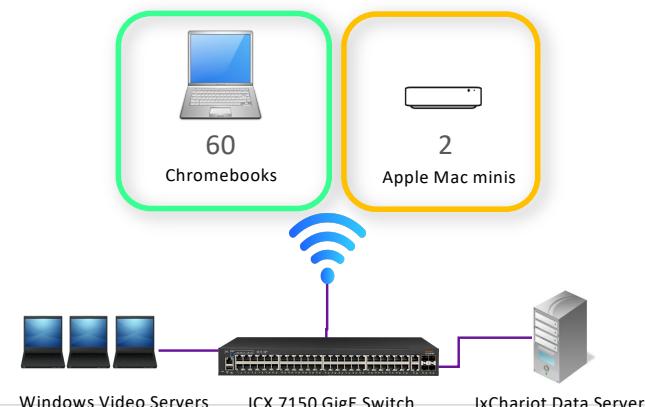
Data Traffic

- Ixia Chariot 7.3 EA
- UDP_RFC768 is disabled – Ixia recommended setting for reliability

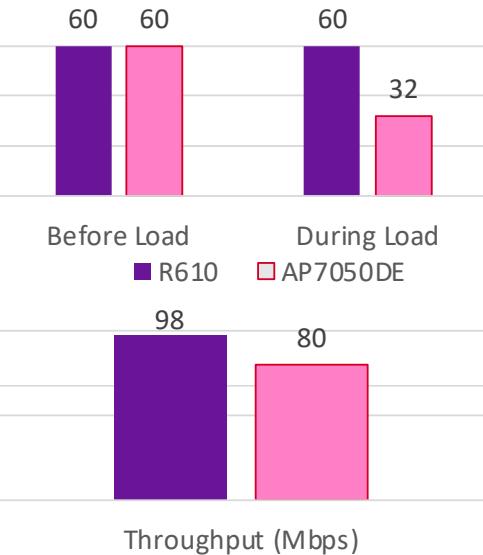
Test 1

60 Chromebooks - TCP Video

2 Apple Mac Minis - UDP Data



Stall-free Video Streams



How to explain the results

R610 was the only AP to deliver non-stop video to all 60 Chromebooks simultaneously. The Huawei AP7050DE could only successfully stream to 32 clients simultaneously. Though the 4x4:4 AP7050DE is marketed as having the "Agile Beam" antenna, it's clear that the 3x3:3 R610 using BeamFlex technology is superior.

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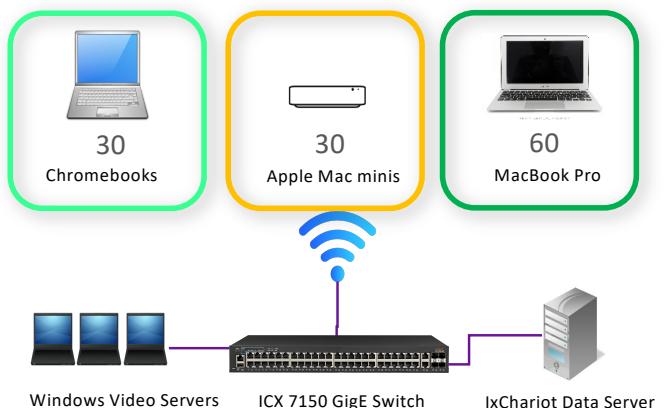
Test 2:

30 Chromebooks - TCP Video
30 Apple Mac Minis - UDP Data



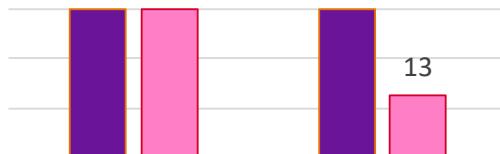
Test 3:

30 Chromebooks - TCP Video
30 Apple Mac minis – UDP Data
60 MacBook Pro - UDP Data



Stall-free Video Streams

30 30 30



Before Load

During Load

■ R610 ■ AP7050DE

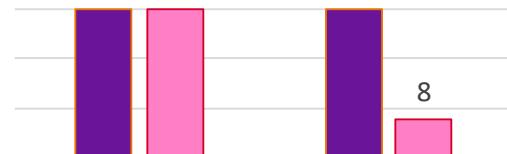
200

175

Throughput (Mbps)

Stall-free Video Streams

30 30 30



Before Load

During Load

■ R610 ■ AP7050DE

513

413

Throughput (Mbps)

How to explain the results

- Both APs were able to deliver video without stalls to 30 Chromebooks without any data load.
- R610 was able to deliver non-stop video to all 30 Chromebooks under load and had higher data throughput.

Streaming high resolution video to a classroom of 30 laptops, while simultaneously pushing over 200Mbps of data throughput to 30 additional contending clients (Mac minis), and over 500Mbps of data throughput to 90 additional contending clients (Mac minis and MacBook Pro) shows tremendous high-performance radio driver tuning.

Ruckus BeamFlex and BeamFlex+ adaptive antennas are able to maintain high throughput, high quality connections in demanding, high density environments.

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802.11ax Data Testing

A High-range 802.11ax/WI-FI 6 AP competitive benchmark test between the Ruckus R730 and Huawei "Smart Antenna" AP7060DN. The APs were controller-managed. Three tests were performed:

1. Test is divided on Multi-client and small UDP packets.
2. APs were powered up using multi-gig ports of the 7650 switch.
3. 2 TCP chariot pairs per client were used for multi-client TCP tests.
4. 1 UDP chariot pair per client was used for multi-client UDP test.
5. WPA2-PSK encryption was used for test with encrypted SSID.

The tests were performed using one classrooms in a middle-grade school. All tests are 5 GHz with 80 MHz wide channels. Channel 149

Test Methodology



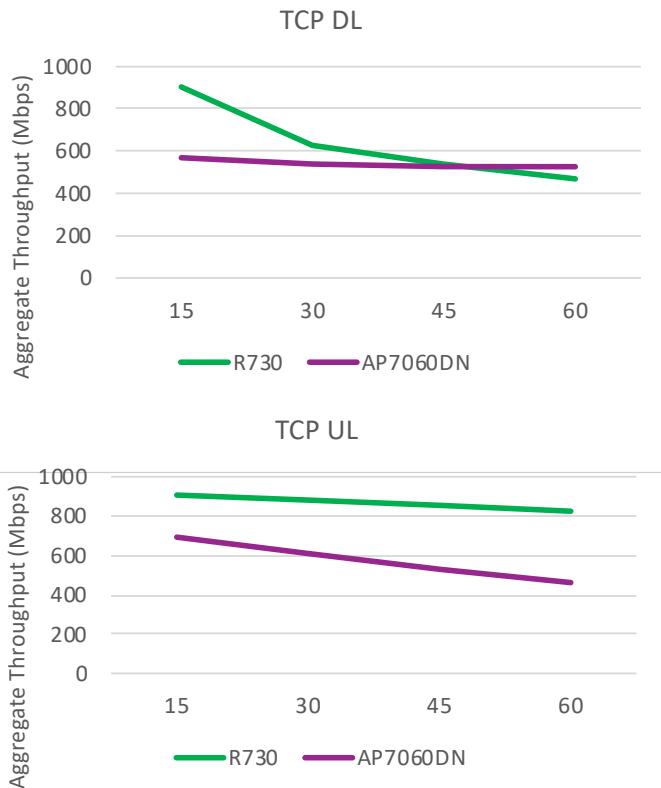
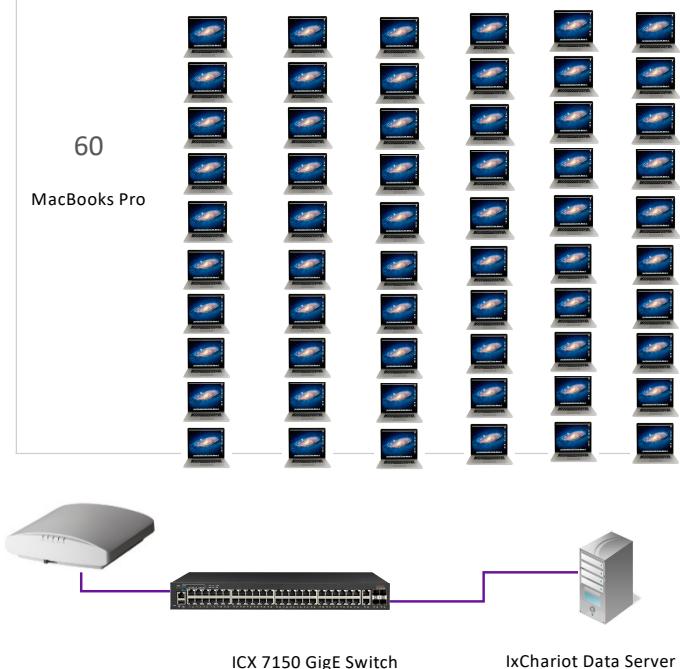
Data Traffic

- 1 dual-band AP service 60 MacBook Pro clients.
- Clients spread across one classroom.
- All 60 MBPs connected on 5Ghz, channel 149.
- Huawei AP7060D was configured with controller.

Test Environment

Ruckus	R730/vSZ-H	3.6.2.0.203	5Ghz 8x8:8 2.4Ghz 4x4:4
Huawei	AP7060DN/AC6005	V200R010C00SOPC800	5Ghz 8x8:8 2.4Ghz 4x4:4

Test 1 60 MacBook Pro - TCP data DL & UL



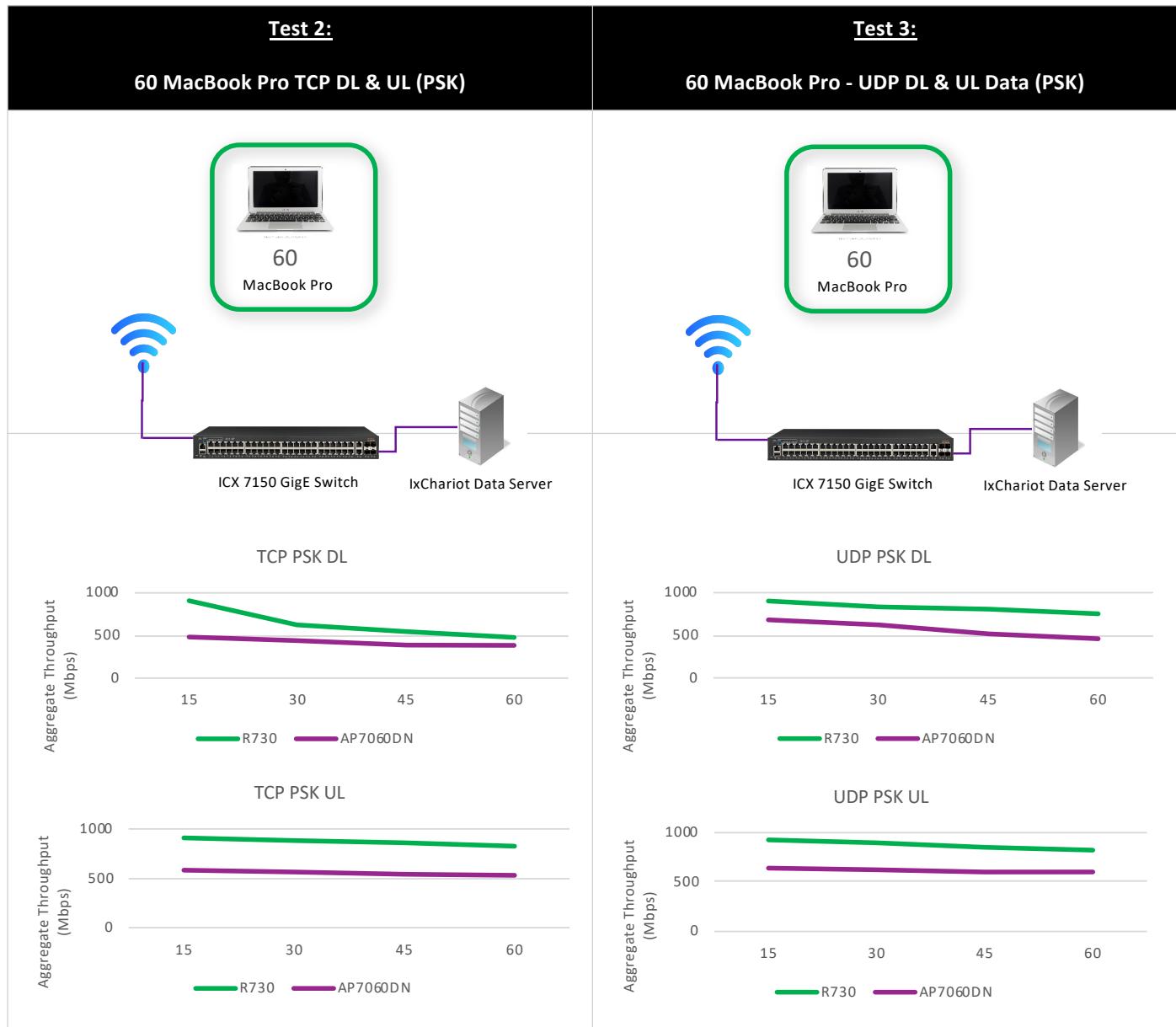
How to explain the results

In high density classroom deployments, Ruckus R730 can deliver superior throughput with as many as 60 clients (~30% better).

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May 2020



How to explain the results

- In high density classroom deployments, Ruckus R730 can deliver superior throughput with as many as 60 clients (~30% better).
- Ruckus R730 outperforms the Huawei AP7060DN most data points for TCP DL and UL with unencrypted and encrypted SSID.
- Ruckus R730 outperforms Huawei AP7060DN in UDP DL and UL tests with unencrypted and encrypted SSID .

Ruckus BeamFlex and BeamFlex+ adaptive antennas are able to maintain high throughput, high quality connections in demanding, high density environments.