



































Wireless Product Comparison

	Cisco	HPE	Huawei
Innovations			
<p>Recognize and service 1400+ apps</p> <p>Differentiate between non-encrypted and encrypted apps to help ensure appropriate treatment of business-critical traffic.</p>	 <p>Cisco access switches can inspect traffic and application flows to enforce network access policy and protect against attacks via Cisco IOS Flexible NetFlow, DNS-AS, NBAR, and Prime Infrastructure.</p>	 <p>HPE switching platforms are limited to simple, basic traffic classification and policy enforcement via ACL and are further limited by memory capacity in the access switching platforms.</p>	 <p>Limited Limited SLA monitoring with iPCA.</p>
<p>Track users on location via BLE or Wi-Fi</p> <p>Get a realistic and granular view of customer locations, whether tracking via BLE or Wi-Fi.</p>	 <p>Cisco CMX, along with Virtual BLE Beacon and Hyperlocation, supports the tracking of BLE and Wi-Fi devices with location accuracy up to 1-2 meters.</p>	 <p>Limited HPE has limited support with Bluetooth in the access points, but lacks precise Wi-Fi-based location.</p>	
<p>Engage with customers on location</p> <p>Make relevant business decisions while providing a more personalized experience for customers.</p>	 <p>The Cisco CMX solution offers a better understanding of how users interact with the environment so businesses can make better decisions.</p>	 <p>HPE provides BLE location in its access points, tags, and Meridian application for wayfinding and customer engagement.</p>	

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Innovations			
<p>Monitoring by endpoint type</p> <p>Monitor and classify behaviors of devices and data that are critical to identifying problems.</p>	 <p>Cisco can use analytics to monitor behavior with Stealthwatch and NetFlow, and classify traffic on the edge of and inside the network with TrustSec.</p>	 <p>Limited Very limited functionality, with Aruba Tunneled Node offered as a limited solution.</p>	 <p>Limited iPCA is offered as an option, but provides limited platform support and visibility.</p>
<p>Support new capabilities without major upgrades</p> <p>Avoid major upgrades by leveraging existing access points, controllers, and switches without performance impact.</p>	 <p>Through the integration of custom ASICs, UADP, and access point modularity, Cisco offers support for new innovations.</p>	 <p>Limited No support for modular APs. Switching platforms use a custom ASIC with limited extensibility.</p>	 <p>Limited No current support for modular access points that support location-based analytics and beacons/BLE.*</p>
Agility			
<p>Improve experience for Apple users</p> <p>Promote a better user experience for business-relevant applications on all Apple devices.</p>	 <p>Cisco and Apple have joined efforts to provide better user experiences for Apple device users when connected to a Cisco network.</p>	 <p>Limited Functionality can only be supported through manual QoS prioritization and Wi-Fi standards.</p>	 <p>Limited Functionality can only be supported through manual QoS prioritization.</p>

* Only [AP4050DN](#) with some modularity for IOT use cases.

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Agility			
<p>Help ensure user experience during peak times</p> <p>Automatically optimize a wireless network during unexpected peak times without adding new access points.</p>	 <p>Flexible Radio Assignment will automatically optimize the network and improve user experiences during unpredicted times of high density.</p>		 <p>Limited Huawei supports software-based radio configuration in its AP8030, but it does not support dual 5-GHz radios in its APs.</p>
<p>Consistent app performance across network</p> <p>Help ensure voice and video experiences across a network automatically, without IT intervention.</p>	 <p>Through best practices, the EasyQoS application provides a simplified method of delivering end-to-end QoS.</p>		 <p>Limited</p>
<p>Detect and set features to new devices</p> <p>When IP phones, cameras, access points, or other devices connect, configurations such as QoS, VLAN, and security are automatically applied.</p>	 <p>Through Cisco Auto Smartports, devices are dynamically detected and ports configured based on the device type detected on the port.</p>	 <p>Limited HPE can detect and set characteristics on an AP attaching to an HPE switch, but cannot detect other types of devices.</p>	

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Agility			
<p>Power resiliency for IoT and other devices</p> <p>Get an always-on environment for IoT and other devices that are powered via PoE, even when the switch reboots.</p>	 <p>Cisco offers Persistent PoE and Fast PoE and Universal PoE while providing multiple-level redundancy through StackWise.</p>	 <p>Limited HPE offers basic PoE/ PoE+ (30W) support and supplies 1:1 power redundancy via dual power supplies supported in a limited number of switches.</p>	 <p>Huawei supports PoE and PoE+ PoH (95W) on a single S5700 platform. Power redundancy is 1:1 PoH (power over HDMI) (95W) on a single S5700 platform.</p>
<p>Consistent automation across the WAN, WLAN, wired</p> <p>Using a single pane of glass, deploy a new branch online, or roll out a new application policy within minutes.</p>	 <p>Use Prime Infrastructure to centrally provision WAN path selection with iWAN and security, encryption, app visibility, and control via APIC-EM and TrustSec.</p>	 <p>Limited HPE uses SDN controllers and AirWave for automated deployment of switches and APs. Missing the ability to manage WAN devices in AirWave.</p>	
Security			
<p>Threat detection</p> <p>Rapidly eliminate threats across the entire network (wired and wireless) from a single place.</p>	 <p>Eliminate threats across the network with Cisco's effective security solutions. Products include Stealthwatch, TrustSec, Identity Services Engine, and Rapid Threat Containment.</p>		

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Security			
<p>Identify wireless sources of interference or threats</p> <p>Automatically detect and mitigate sources of threats or RF interference in a wireless network without impacting performance.</p>	 <p>Cisco Aironet access points use CleanAir, Hyperlocation Module, and Flexible Radio Assignment to scan, locate, and eliminate security threats or RF interference.</p>	 <p>HPE uses a software-based solution which lacks efficiency and does not provide continuous scanning on all channels.</p>	
<p>Security active-learning</p> <p>Prevent new threats to the network before being hacked.</p>	 <p>Cisco Talos feeds strengthen defenses and protect against known and emerging threats.</p>	 <p>Through the Niara acquisition and integration in ClearPass, HPE can provide machine learning for security concerns.</p>	
<p>Intent-based networking for availability, agility, and policy segmentation</p> <p>Intent-based networking improves network availability and agility. Streamlines end-to-end network lifecycle management through automated design, implementation, and operation and advanced network assurance. Download Gartner report.</p>	 <p>Centralize and automate network design, policy, and provisioning of all wired and wireless networks with Cisco DNA Center.</p>	 <p>Limited Aruba Tunneled Node is offered as a catch-all solution, but it cannot scale.</p>	

Updated on October 11, 2017, based on public information.