



## The Cisco Wireless Difference

- **Cisco High-Density Experience (HDX)** alleviates strain on high-volume WLANs, including 802.11ac networks.
- **Dynamic Bandwidth Selection with FlexDFS** automatically avoids interference and radar while conserving channel use.
- **Cisco Hyperlocation Solution** pinpoints Wi-Fi device locations for customer engagement and advanced security applications.
- **Cisco CleanAir® interference mitigation** lets you run a more efficient wireless environment.
- **Cisco ClientLink 3.0 beamforming** improves performance for all 802.11a/g/n/ac client devices.

# Cisco Wireless LAN Solutions

## World-Class Wi-Fi Made Simple

Wi-Fi has become the primary access network for most businesses. With Cisco® world-class RF equipment and intelligent software, it's a snap to make your WLAN as fast, reliable, and secure as your wired network. You get loads of extra features for improving spectrum efficiency, performance, and user experiences that you can't find anywhere else.

Cisco solutions have started supporting the very latest technology standards – 802.11ac Wave 2 – and offer the scalable, fast-throughput controller and switching platforms to go with them. Cisco WLAN hardware and software are uniquely positioned to handle the dense volumes of wireless traffic generated by today's mobile applications, BYOD programs, growing numbers of wireless users and devices, and Internet of Things (IoT) connections.

From access points to controllers to mobility development, location, and analytics, Cisco provides an industry-leading wireless solution, end to end (Table 1). You get the tools required to achieve RF excellence and security, including:

- High-throughput transmissions from the access network through the core
- Subsecond failover for uninterrupted application availability and greater productivity
- The ability to see and prioritize wireless application traffic so each app gets the resources it needs
- Ruggedization for harsh environments, outdoor deployments, and the IoT
- Unified wired and wireless management
- Mobile app development platforms, location tracking, analytics, and more

Cisco has been a significant contributor to, author of, and editor for the wide range of IEEE 802.11 wireless LAN standards. Cisco also collaborates with the Wi-Fi Alliance to define the industry's product interoperability and certification process for all wireless LAN standards, including 802.11ac Wave 1 and 2. Cisco products are frequently among the core testbed products against which the Alliance tests and certifies other vendors' equipment so that compatible products can enter the market.

**Table 1.** Cisco Wireless Portfolio Overview

<b>Cisco Aironet® Access Points</b>	<ul style="list-style-type: none"> <li>• <a href="#">802.11ac Wave 2</a></li> <li>• <a href="#">802.11ac Wave 1</a></li> <li>• <a href="#">802.11n</a></li> <li>• <a href="#">Indoor</a></li> <li>• <a href="#">Outdoor and Rugged</a></li> </ul>
<b>WLAN Controllers*</b>	<ul style="list-style-type: none"> <li>• Standalone Appliances</li> <li>• Integrated with Ethernet switches/WAN routers (Unified Access)</li> <li>• Virtual Hypervisor-based Controllers</li> <li>• Embedded in Access Points</li> </ul>
<b>Antennas</b>	<ul style="list-style-type: none"> <li>• Dipole</li> <li>• Omnidirectional</li> <li>• Directional</li> <li>• Indoor</li> <li>• Outdoor</li> </ul>
<b>Mobility Platforms/Tools</b>	<ul style="list-style-type: none"> <li>• <a href="#">Cisco Radio Resource Management (RRM)</a></li> <li>• <a href="#">Cisco Mobility Express</a></li> <li>• <a href="#">Cisco Hyperlocation Solution</a></li> <li>• <a href="#">Cisco Mobility Services Engine (MSE)</a></li> <li>• <a href="#">Cisco Connected Mobile Experiences (CMX)</a></li> <li>• <a href="#">Cisco Enterprise Mobility Services Platform (EMSP)</a></li> <li>• <a href="#">Cisco Prime Infrastructure</a></li> </ul>
<b>Wireless Security</b>	<ul style="list-style-type: none"> <li>• <a href="#">Wireless Intrusion Prevention System (wIPS)</a></li> <li>• Wireless Security and Location Module (WSLM)</li> <li>• <a href="#">Identity Services Engine</a></li> </ul>

\*Cisco WLAN controllers can operate in multiple modes. They function as both a Bonjour and Chromecast gateway and support the 802.11r/k/u/v/w/ac standards.

Whether you require entry-level wireless connectivity for a small enterprise, mission-critical coverage at thousands of locations, or best-in-class performance with investment protection for large, crowded environments, you can rely on Cisco WLAN solutions.

## Learn More

To learn about Cisco's broad portfolio of enterprise-class wireless hardware and software and how we can help you with your mobility initiatives, contact your Cisco sales representative or visit:

<http://www.cisco.com/c/en/us/products/wireless/index.html>