

# Top 6 reasons to upgrade to Wi-Fi 6 with Cisco

Prepare to meet changing network demands with Wi-Fi 6, also known as 802.11ax. With it, you'll get faster wireless speeds, increased capacity, and improved reliability to power entirely new mobile experiences.



Cisco Wi-Fi 6 solutions go above and beyond industry standards and other vendors' solutions with both hardware and software innovations that meet your needs today and tomorrow.

## 1 A new standard

Just by upgrading to Wi-Fi 6, you automatically gain several advantages from previous Wi-Fi standards, including:

**Network capacity:** Attach up to 4x more devices than under previous standards, with more data to more clients.

**Bandwidth:** Increased speed by 4x average throughput in congested environments as those devices come online.

**Reduced data latency:** Optimized packet scheduling, which is ideal for voice, video, and gaming.

**Enhanced features:** Improved battery efficiency in connected devices. Better Wi-Fi coverage and support for 2.4 GHz make Wi-Fi 6 ideal for Internet of Things (IoT) devices.



## 2 The Cisco custom application-specific integrated circuit (ASIC) uniquely provides:



**Cisco CleanAir technology**  
Mitigate the impact of wireless interference to protect both speed and performance.



**Cisco Wireless Intrusion Prevention System (wIPS)**  
Detect, locate, mitigate, and contain wired and wireless rogues and threats at Layers 1 through 3.



**Dual-filter dynamic frequency selection (DFS) detection**  
Avoid interference for optimal performance.

With the Cisco ASIC combined with **Cisco DNA Assurance**, you get the visibility and intelligence needed to run your networks better.

## 3 Security for the next generation of devices



**Cisco Application Visibility and Control (AVC)**, along with NetFlow exporting, is built into our wired and wireless infrastructure to detect threats faster. **Learn more about this Cisco innovation.**

## 4 Exclusive Cisco partnerships



To ensure more enjoyable user experiences, Cisco has partnered with **Apple** and **Samsung** to capture thorough analytics on their devices. Apple devices also receive higher-priority connections.

## 5 Maximum flexibility

**Cisco Flexible Radio Assignment**, a unique offering pioneered by Cisco, automatically identifies and converts the redundant 2.4-GHz radio into a 5-GHz radio to provide a better mobile user experience for high-density networks.



## 6 Seamless connectivity

Take work from the coffee shop, to an errand run, to a night out, and never miss a thing with **OpenRoaming**. Users can seamlessly and securely bridge devices and automatically connect from Wi-Fi networks to cellular.

So whether you're jumping from Wi-Fi 6 to 5G or the other way around, the connection will be perfectly seamless.



The secret to success for your organization is being better—faster. Do both with Cisco Wi-Fi 6.

See Cisco's Wi-Fi 6 solutions

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