

Secure Wireless Networking

For
Small
Business



A woman in a white chef's uniform stands in front of a restaurant entrance at night. The restaurant has large glass windows and doors, revealing the interior with red chairs and tables. The scene is dimly lit, with some interior lights visible through the glass.

In today's connected world, people expect seamless connectivity to their networks and the Internet. That's why Cisco Small Business Wireless Access Points offer expanded range and coverage areas that make them a fast, transparent extension of your wired network.

With Cisco® wireless access points, employees can securely access network resources from places that were previously out of range. Standards-based encryption protocols keep Cisco wireless access points just as secure as a wired network, to help ensure that critical business data stays safe. Couple that with easy-to-use web-based configuration tools, and you have a highly secure wireless extension to your network that you can set up and deploy without the need for an IT staff. And as your business grows, they're even easier to manage. Simply put, Cisco wireless access points are an important piece of the networking foundation your business needs to keep pace in today's dynamic environment.

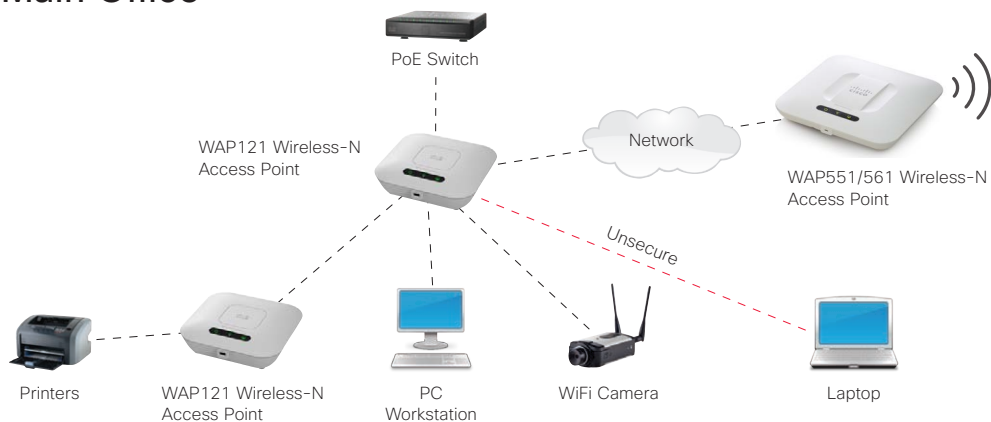
Cisco Small Business Wireless Access Points offer a range of features in selected models, including:

- Wireless-N (up to 450 Mbps) connectivity
- Single-radio selectable band or dual-radio concurrent band options
- Ability to deploy and manage multiple access points with Single Point Setup controllerless technology
- Detection of unauthorized, unsecure access
- Elimination of need to install external power supplies with PoE
- Easy installation and configuration through a simple, browser-based interface
- Elegant, compact design with internal antennas and versatile mounting kit that enables installation on a ceiling, wall, or desktop
- Intelligent QoS that prioritizes network traffic to help keep critical network applications running at top performance
- Highly secure guest access with captive portal capability, enabling safe wireless connectivity for visitors
- Support for IPv6, enabling you to deploy future networking applications and operating systems without costly upgrades

What Are Wireless Access Points?

As a small business owner, you know that productive employees and cost-effective operations are the key to your business's success. Cisco wireless access points let your employees efficiently and conveniently connect to applications and customers wherever they can work most effectively onsite. At the same time, they provide highly secure access for partners and guests at your business location. And since they're designed to install easily and work reliably behind the scenes, you don't have to take on the costs of an IT staff to facilitate their use.

Main Office



Nearby Office



For small businesses that need a wireless network solution, Cisco Small Business portfolio offers affordably priced, reliable products that just work. Purpose-built for small businesses, they're easy to install and use and are backed by Cisco networking expertise to deliver essential, dependable connectivity for your business needs.

Cisco Small Business Wireless Access Points



WAP121

Wireless-N connectivity

Key Features:

- 2.4-GHz Wireless-N access point
- Multiple BSSIDs (4)
- Fast Ethernet LAN with PoE
- IPv6 ready; QoS support
- Browser-based configuration via Device Manager and web-based setup wizard
- Robust security capabilities, such as WPA2, an 802.1X supplicant, and rogue access point detection
- AP, WDS Bridge, and Workgroup Bridge capabilities for extended reach and deployment scenarios



WAP321

Wireless-N connectivity

Key Features:

- Selectable-band Wireless-N access point (2.4 GHz or 5 GHz)
- Multiple BSSIDs (8)
- Gigabit LAN with PoE
- IPv6 ready; QoS support
- Browser-based configuration via Device Manager and web-based setup wizard
- Captive portal for highly secure guest access
- Robust security capabilities, such as WPA2, an 802.1X supplicant, and rogue access point detection
- AP, WDS Bridge, and Workgroup Bridge capabilities for extended reach and deployment scenarios



WAP551

High-performance Wireless-N connectivity

Key Features:

- Single-radio selectable band (2.4 or 5 GHz)
- Multiple BSSIDs (16): Segment wireless network among workgroups and guests
- Gigabit LAN with PoE
- AP, WDS Bridge, Workgroup Bridge capabilities for extended reach and deployment scenarios
- Strong QoS: 802.1p/q and WMM
- Captive portal for highly secure guest access
- Strong QoS: 802.1p/q and WMM
- Robust security capabilities, such as WPA2, an 802.1x supplicant, and rogue access point detection
- Internal antennas (5)

Advanced Wireless Features:

- Roaming
- Load balancing
- Auto-channel selection
- Scheduling



WAP561

High-performance Wireless-N connectivity

Key Features:

- Dual-radio concurrent band (2.4 and 5 GHz)
- Multiple BSSIDs (16 per radio): Segment wireless network among workgroups and guests
- Gigabit LAN with PoE
- AP, WDS Bridge, and Workgroup Bridge capabilities for extended reach and deployment scenarios
- Captive portal for highly secure guest access
- Strong QoS: 802.1p/q and WMM
- Robust security capabilities, such as WPA2, an 802.1X supplicant, and rogue access point detection
- Internal antennas (10)

Advanced Wireless Features:

- Roaming
- Load balancing
- Auto-channel selection
- Scheduling

Cisco Small Business 500 Series Wireless Access Points

The **Cisco WAP551 and WAP561 Wireless-N access points** use selectable or concurrent dual-band radios for improved coverage and user capacity. Gigabit Ethernet LAN interfaces with Power over Ethernet (PoE) support flexible installation and reduce cabling and wiring cost, and intelligent quality-of-service (QoS) features let you prioritize bandwidth-sensitive traffic for voice over IP (VoIP) and video applications. SmartSignal Antenna technology lets you extend the reach of your wireless network by optimizing coverage, reception, and performance. The Single Point Setup clustering capability makes it easy to set up, configure, and manage a growing wireless network. You can deploy multiple access points and push a single configuration to all the devices within the cluster, managing your wireless network as a single system without worrying about interference between access points—and without having to configure each access point as a separate device.



WAP551/561

Key Features:

- Selectable or concurrent dual-band radio provides better Wi-Fi coverage, and higher Wi-Fi capacity in the workplace
- Ease of configuration and administration with Single Point Setup technology (controllerless)
- Strong security and QoS features
- Highly secure guest access with captive portal capability
- Enables the use of multiple access points on a network
- Easy to deploy, administer, and secure a wireless network



“We are finding that we’re actually gaining momentum because our tenants have become our spokespersons, are doing our advertising for us. Without the Cisco technology we have in place here, I’m not sure we could succeed in our marketplace.”

—Rick Onorato, Owner, NorthPoint Executive Suites

NorthPoint Executive Suites hosts a diverse array of 70 businesses, including real estate brokers, advertising firms, and technology companies. They have one thing in common: They all need reliable, secure data communications. To give these customers the technology they need, NorthPoint had to have a reliable, easy-to-manage solution that provided secure email and Internet connectivity and wireless services.

“We knew that we needed reliability. We also needed security and a scalable solution that could handle our growth and our expansion needs,” says Rick Onorato, owner of NorthPoint Executive Suites.

To support a dynamic environment with dozens of businesses, NorthPoint wanted a solution based on a standard model that could be easily duplicated when clients moved or their needs changed.

“We had a replicable solution in mind, so that we could duplicate it very easily without a lot of additional thought or work,” says Onorato.

The Cisco Small Business Promise

Cisco wireless access point technology is designed for small business—it’s purpose-built to be priced right. As your business grows and your needs change, Cisco products grow with your business, making it easy for you to upgrade and scale your network. Best of all, Cisco products are designed to work together, eliminating complex back-end work—and the need to hire an IT staff. And if something does need attention, you’ll have easy access to local Cisco partners who are there to help you. As the leader in networking and communications, Cisco helps small businesses around the world work better.

Cisco Small Business solutions.

Technology small companies trust to help their business succeed.

Wireless Access Points—Feature Comparison

Product	WAP121	WAP321	WAP551	WAP561
Wireless	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
Number of radios	1	1	1	2
Ethernet speed	Fast Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Number of ports	1	1	1	1
PoE	PoE or AC	PoE or AC	PoE	PoE
Single Point Setup clustering	●	●	●	●
Channel management	○	○	●	●
Wireless band	2.4 GHz	2.4 GHz or 5 GHz	2.4 GHz or 5 GHz	2.4 GHz and 5 GHz
MIMO	2x2	2 of 3	3x3	3x3
Spatial stream	2	2	3	3
BSSIDs	4	8	16	16 per radio
802.1q VLAN support	●	●	●	●
802.1X client authentication	●	●	●	●
WPA2 PSK and ENT	●	●	●	●
802.1X AP authentication	●	●	●	●
Secure management (HTTPS)	●	●	●	●
WMM	●	●	●	●
802.1p	●	●	●	●
Rogue access point detection	●	●	●	●
Multiple modes	AP, WDS Bridge, Workgroup Bridge	AP, WDS Bridge, Workgroup Bridge	AP, WDS Bridge, Workgroup Bridge	AP, WDS Bridge, Workgroup Bridge
Roaming	802.11r (when supported by driver)	802.11r (when supported by driver)	●	●
IPv6 host management	●	●	●	●
HTTP redirect	●	●	●	●
WPS	Yes (soft pin)	Yes (soft pin)	●	●
Load balancing	●	●	●	●
Spanning tree	●	●	●	●
CLI support	●	●	●	●
Auto channel selection	●	●	●	●

● – Included ○ – Not supported

For
Small
Business

