

Linksys® Wireless/WiFi Access Points

A Linksys® wireless access point (WAP) allows you to add high-speed wireless/WiFi capability to your wired local area network (LAN). It's an easy, affordable way to improve collaboration and increase productivity at your company¹.

A wireless access point is best suited for an office environment that can be served by a single wireless access point and has 20 or fewer wireless devices connected at the same time.

Employees with laptops can work conveniently and securely from conference rooms or other common areas throughout your office. Employees can also easily connect mobile devices such as iPads, smartphones, media players, etc. to your business' LAN to access the Internet and/or LAN resources, such as servers or network printers.

Integrated security mechanisms in the WAP allow business owners or network administrators to establish no security, low, medium or high security settings:

- **No Security:** Create a very open, easily-accessible wireless network in which anyone or any device can join and gain Internet access without having to supply a password.
- **Low:** Create a low security wireless network with simple password which is easy to use and remember, but will serve as a basic barrier to keep strangers from gaining Internet access.
- **Medium:** Create a medium security wireless network with a secure (long and complex) password, but without the added administration of Media Access Control (MAC) Address Filtering²
- **High:** Create a highly secure wireless network with a secure (long and complex) password and MAC Address Filtering to allow only approved individuals and devices to join the wireless network

The EA5400 and WAP model utilizes dual-band technology, allowing the WAP to operate in both the 2.4 GHz and 5 GHz wireless spectrums, providing compatible wireless devices up to 1.3Gbps of wireless bandwidth. The EA8300 uses tri-band technology to prioritize high-bandwidth traffic across two 5GHz wireless bands, and lower-bandwidth traffic across the 2.4 GHz band, providing compatible wireless devices up to 2.2Gbps of wireless bandwidth. Dual-band and Tri-band operation can also improve the WAP's performance in environments with increased wireless interference. All three WAP models work with older Wireless-N, Wireless-G, or Wireless-B enabled devices, at reduced range and/or bandwidth.³

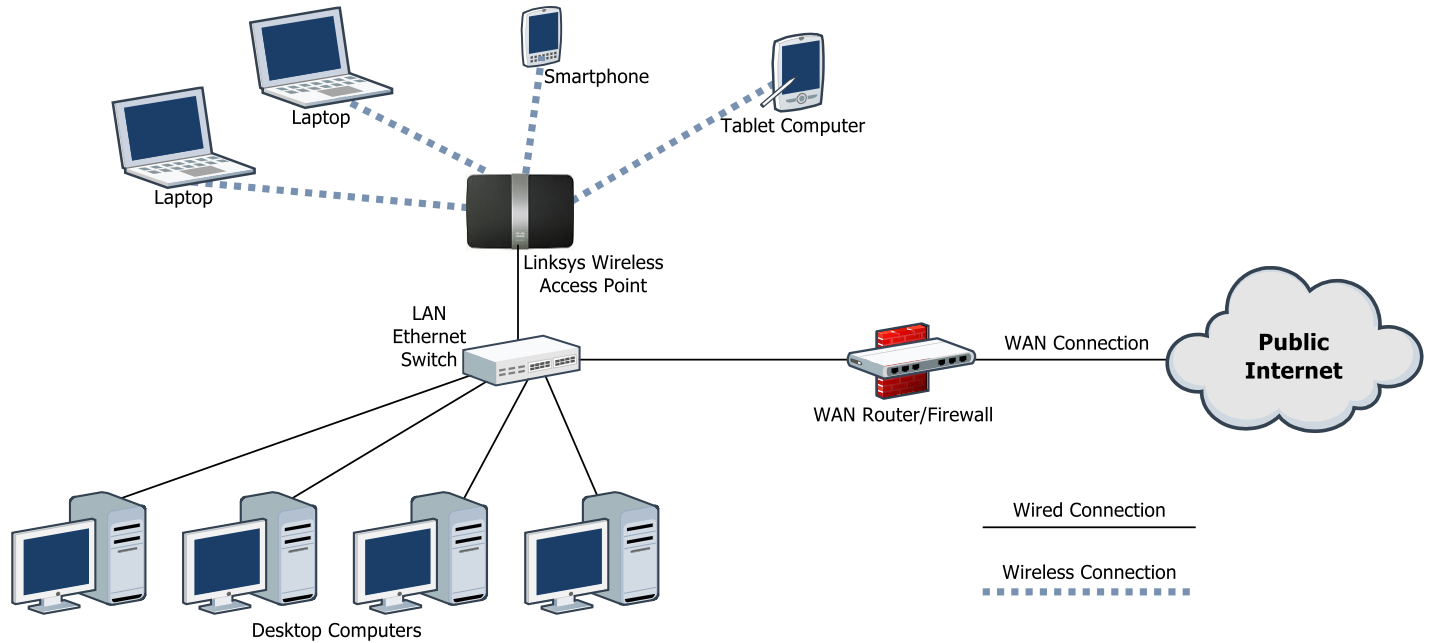
Features By Model



	Linksys E5400 Dual-Band Wireless-AC Access Point	Linksys EA8300 Tri-Band Wireless-AC Access Point
Wireless Performance	Good	Best
Wireless Range	The range of a WAP depends on the placement of the WAP, obstructions (walls, equipment, etc.) between the WAP and the mobile device, and interference from competing wireless devices in the area (among other things). The range should fall somewhere between the Ideal and Worst-case conditions listed below. Ideal Conditions: About 200 feet - Open area with a centrally located WAP, no obstructions, and no competing wireless signals nearby. Worst-case Conditions: About 15 feet - WAP located in an area with several obstructions between it and the mobile devices, and several other wireless access points, cordless phones, etc. operating in close proximity.	
Wireless Standards Supported	<ul style="list-style-type: none"> • IEEE 802.11a • IEEE 802.11b • IEEE 802.11n (WiFi 4) • IEEE 802.11ac (WiFi 5) 	<ul style="list-style-type: none"> • IEEE 802.11a • IEEE 802.11b • IEEE 802.11g • IEEE 802.11n (WiFi 4) • IEEE 802.11ac (WiFi 5)
Antennas	2, External	4 External
Wireless Bands	2.4 and 5 GHz Simultaneously	One 2.4 and Two 5 GHz Bands Simultaneously
Wireless Speed ⁴	1.2Gbps ⁵	2.2Gbps ⁵
Wired Ethernet Switchports	4x 10/100	4x 10/100/1000

Network Map

The Linksys wireless access point connects to your existing LAN Ethernet switch and allows you to configure your wireless network with no security, low, medium, or high security.



Equipment, Configuration and Installation Charges

Your POPP representative will help you select the wireless access point model and configuration/installation options that best meet your needs.

Equipment

- Linksys EA5400 Wireless-AC Access Point \$74.99
- Linksys EA8300 Dual Band Wireless-AC Access Point \$254.99

WAP Configuration and Installation Options

- **Client Responsible:** POPP ships WAP to client. Client configures and installs WAP and configures wireless settings on their computers/devices \$15.00 (shipping)
- **Pre-Configuration:** POPP configures WAP for Internet access and wireless setup. POPP ships WAP to client. POPP contacts client via phone to determine settings. \$79.00 + \$15.00 (shipping)
- **On-Site Installation by POPP Technician:** POPP technician installs preconfigured WAP and configures wireless settings on one computer and verification of connectivity to the Internet and LAN \$99.00 (Includes travel charge)
- **Optional:** POPP configures wireless settings on additional wireless-enabled computers \$29.00 per computer/device
- POPP installs additional wiring from LAN Ethernet switch to WAP⁶ Time and Materials

Time and Materials: \$65 per half-hour + \$50 travel charge.

¹Wireless connectivity requires a wireless network adapter in the devices you want to wirelessly connect. You may need to purchase an external wireless network adapter if your device does not have one built in.

²MAC addresses are unique identifiers hardcoded into every device capable of connecting to a wired or wireless network. MAC Address Filtering allows the wireless access point to govern which devices (laptops, iPads, smartphones, etc.) are allowed to access the wireless network.

³Actual performance can vary, including lower data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference from other wireless devices in the area and other adverse conditions.

⁴Wireless Speed refers only to the speed between the wireless device and the wireless access point.

⁵The WAP can simultaneously work in the 2.4 and 5 GHz bands. The E5400 delivers 300Mbps in the 2.4 GHz band and can simultaneously deliver 867Mbps in the 5 GHz band. The EA8300 delivers 400Mbps in the 2.4 GHz band, and can simultaneously deliver 867Mbps + 867Mbps in the 5 GHz bands.

⁶Once the ideal location of the WAP is determined and there is no existing data cable between the LAN Ethernet switch and the WAP, a POPP technician can install a new data cable (POPP must also install WAP). Client is responsible to contract with an electrician to install an electrical outlet near where the WAP is to be placed (when outlet is not already present nearby).