

# WLA321 and WLA322 Access Points Quick Start

See the complete Wireless LAN Services (WLS) product documentation at [http://www.juniper.net/techpubs/en\\_US/release-independent/wireless/information-products/pathway-pages/wireless-lan/index.html](http://www.juniper.net/techpubs/en_US/release-independent/wireless/information-products/pathway-pages/wireless-lan/index.html).

The Juniper Networks WLA321 is an indoor, dual-band, 2x2 IEEE 802.11n Wireless LAN Access Point with a single 2.4GHz/5GHz radio and two internal dual-band antennas.

The Juniper Networks WLA322 is an indoor, dual-band, dual-concurrent, 2x2 IEEE 802.11n Wireless LAN Access Point with two radios (one enhanced power 5GHz radio and one standard power 2.4GHz radio) and four internal single-band antennas.

Both WLA321 and WLA322 access points support IEEE 802.3af Power over Ethernet (PoE) on one Gigabit Ethernet port.

## Ceiling Installation for WLA321 and WLA322 Access Points

Install WLA321 and WLA322 access points on the ceiling using the mounting bracket provided with the kit or on a junction box on the wall. The primary installation method for WLA321 and WLA322s is the ceiling mount. For instructions for purchasing a junction box wall-mount kit and for installing the access point on the junction box see the WLS documentation at <http://www.juniper.net/techpubs/>.

### WLA321 and WLA322 Access Point Package

To install and connect the access point, you need:

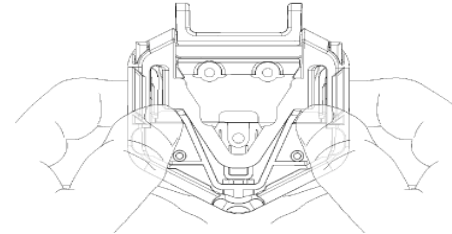
- One ceiling-mount bracket (provided)
- Mounting template (provided)
- Category 5e straight-through signaling cable with RJ-45 connectors; installed (not provided)
- Box cutter or similar tool to cut ceiling tile (not provided)
- (Optional) Security kit, which includes a security tool and a security screw (The kit is not provided and can be ordered separately.)

### Part 1: Install the Access Point

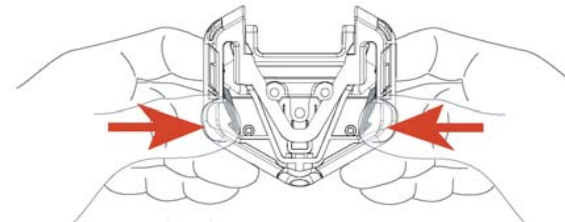
These instructions describe installing the access point on a 9/16-inch or 15/16-inch T ceiling-tile rail.

1. Select an installation location under a recessed rail in the ceiling.
2. Cut a hole as follows in the ceiling tile for the Category 5e cable:
  - Place the mounting template over the area where you will install the access point.
  - Use the box cutter or similar tool to cut along the line marking the opening for the port connectors.
  - Remove the mounting template and the material you cut from the ceiling tile.
3. Run the Category 5e cable from the ceiling through the hole in the ceiling tile.

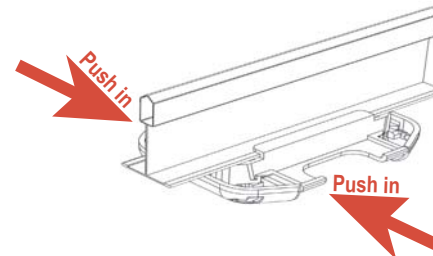
4. Ensure the snaps on the top of the ceiling-mount bracket are open so that the clips can fully extend to fit around the ceiling rail. The bracket is shipped in an open position so that it is ready to be clipped over a ceiling rail.



5. If the bracket is closed, open the snaps by pressing in and up with your thumbs on both sides of the snaps on the bottom of the bracket until it is fully open.



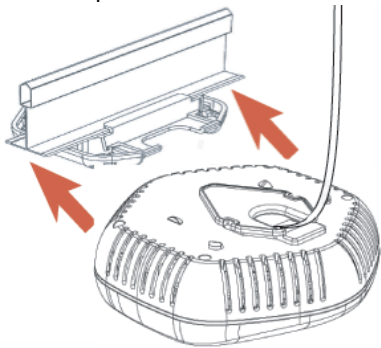
6. With the bracket clips fully extended, align the clips with the rail and hook the clips around the top sides of the rail. Push in on the sides of the bracket until the clips lock over the rail. Listen for a click that indicates that the clips have locked. Be sure the bracket has locked securely onto the rail by gently pulling down on the bracket before installing the access point.



7. Grasp the Category 5e cable that extends from the ceiling and plug it into the access point.



8. Align the access point with the bracket and press forward until the access point clicks into place. Be sure the access point is seated correctly in the bracket by gently pulling down on the access point.

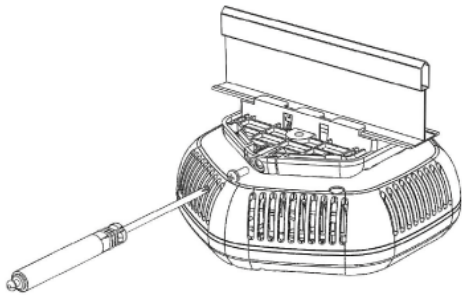


9. If the access point is not properly secured, press the release button on top of the bracket to unlock the access point. Realign the access point, making sure the cable is still connected, and push in on the access point until it clicks securely into place.



**NOTE:** We recommend that you use the optional security kit to secure the access point. The kit includes a security tool and a security screw. Be sure to retain the tool so you can unlock and move the access point. Never use a power tool to insert or remove the security screw.

10. (Optional) To lock the access point into place, secure the security screw in the release button by using the tool provided with the security kit. Do not overtighten the screw.



## Part 2: Connect the Access Point to a Wireless LAN Controller

After you install the access point, you can connect the access point directly or indirectly to a wireless LAN controller (WLC) through an intermediate Layer 2 or Layer 3 network device.

To connect the access point directly to a WLC:

1. Insert one end of the installed Category 5e cable into the Ethernet port of the access point and the other end into the Ethernet port of the controller.
2. Look at the access point LED for the port on the controller and verify that the link is activated. The link is activated if the LED is green and glowing steadily.


## Part 3: Configure the Access Point Connection

**NOTE:** If you are installing the access point in a wireless LAN mesh or wireless bridge configuration, you must configure the access point before deploying the access point in the final location. For more information, see the *Mobility System Software Configuration Guide* at <http://www.juniper.net/techpubs/>.

To configure the access point connection, use the RingMaster GUI or the Mobility System Software CLI.

## Safety Warnings Summary

This is a summary of safety warnings. For a complete list of warnings, including translations, see the *Juniper Networks Regulatory Guide* in the WLS documentation at [http://www.juniper.net/techpubs/en\\_US/release-independent/wireless/information-products/topic-collections/wireless-lan/hardware/regulatory-info.pdf](http://www.juniper.net/techpubs/en_US/release-independent/wireless/information-products/topic-collections/wireless-lan/hardware/regulatory-info.pdf).

 **WARNING:** Failure to observe these safety warnings can result in personal injury or death.

- System administrators and equipment installers of the WLAN system are responsible for the system's proper setup and operation in accordance with all rules and regulations of the country in which the equipment operates.
- Perform only the procedures described in this quick start and the Wireless LAN Services (WLS) documentation.
- Before installing the WLC, read the planning instructions in the Wireless LAN Services (WLS) documentation to make sure that the site meets power, environmental, and clearance requirements for the switch.

## Contacting Juniper Networks

For technical support, see <http://www.juniper.net/support/requesting-support.html>.