QUICK INSTALL GUIDE

High Power Wireless 300N Commercial Grade Access Point
XAP-1230

Includes:

- ▸ One: XAP-1230 Wireless Access Point
- ▸ Two: 5dBi Dipole Antennas
- ▸ One: PoE Injector and Power Cord
- ▸ One: Ethernet Cables
- ▸ Four: Rubber Feet

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READ ME FIRST - AP COMPATIBILITY

This XAP-1230 is compatible with the Luxul Wireless Controller for fast, easy configuration and deployment of wireless networks with multiple APs.
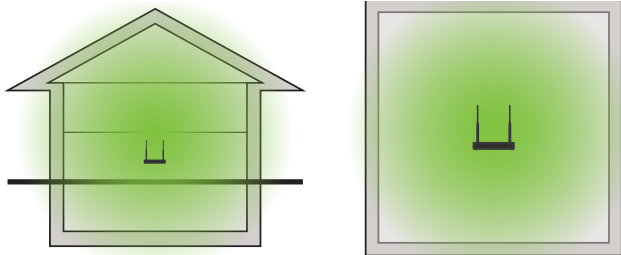
> ☑ **Note:** *If you'll be using this AP with a Wireless Controller, refer to the Quick Install Guide included with the Wireless Controller for setup instructions.*

AP SETUP AND CONFIGURATION

① Physical Installation

The XAP-1230 access point is designed for simple and efficient installation and setup. Install the two included antennas by screwing one to each of the two SMA antenna connectors on the rear panel. Two keyholes allow for easy and flexible mounting on a wall, or for desktop/shelf mounting, use the impressions on the enclosure for placement of the included rubber feet.
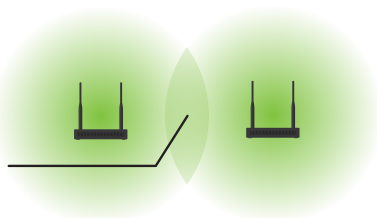
▶ **Single Access Point Placement:** Because the signal generated by the XAP-1230 is omnidirectional, the unit should be located as near as possible to the center of the desired coverage area.

XAP-1230 Single AP Coverage Pattern

▶ **Multiple Access Point Placement:** You may need to experiment with AP placement to optimize the roaming experience. Place APs to ensure adequate coverage, but not so far apart that there is no signal overlap. Adjacent APs should overlap enough that the client device has a good connection to the AP to which it is currently attached, but also sees the next-nearest AP. Ideally, roaming clients should see signal strength of two overlapping APs in the range of -60 to -70 dBm at the midway point between two APs. To learn more about AP placement, visit *luxul.com/ap-placement*.

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XAP-1230 Multiple AP Coverage and Overlap

✅ **Note:** *Consider using Ekahau HeatMapper to assist with this process, available from www.ekahau.com. Luxul also offers an informative "How-To" video on HeatMapper at luxul.com/how-to-videos.*

AP SETUP AND CONFIGURATION CONT.

② Connecting Antennas, Ethernet and Power

Ethernet and Power

With two antennas installed and the XAP-1230 properly mounted, plug the Ethernet cable into the RJ-45 connector on the Access Point.

The XAP-1230 is PoE ready and supports 802.3af PoE. A PoE injector is included with the device. To apply power, simply connect the opposite end of the Ethernet cable to which the access point is connected to the provided PoE injector or other PoE switch or injector. An Ethernet cable length of up to
300 feet can be used.

> ✅ **Note:** *Category-6 shielded twisted pair is recommended for best results and stable data transmission at the highest data rates. However, Category-5, super Category-5 or Category-6 unshielded twisted pair (CAT5/CAT5e/CAT6 UTP) cable can also be used.*

PoE Injector Setup

▶ **Data In:** Connect an Ethernet cable from your router or switch to the **Data In** port of the included PoE Injector

▶ **Data & PWR Out:** Connect an Ethernet cable from the **Data & PWR Out** port of the included PoE Injector to the PoE Port of the XAP-1230

▶ **AC Power:** Connect the included AC Cord to the Power Input of the Included Injector first and then to the AC outlet.

PoE injector

③ Preparing for Access

IP Addressing

If the XAP-1230 is connected to a network with a 192.168.0.X address scheme, and your computer shares a similar address on the same network, you can skip to the next step, **Access and Setup**.

> ✅ **Note:** *If another device on your network shares the 192.168.0.10 address, you'll need to temporarily reassign or remove that device while you configure the XAP-1230.*

If your network uses an address scheme other than 192.168.0.X, you'll need to set a temporary static IP address on the computer you're using for configuration. To do so, set the IP address of your computer to an address in the 192.168.0.X range, then set the Gateway/Router address to 192.168.0.10 (the default IP address of the XAP-1230).

Once you're finished configuring the AP, you can return your computer's IP configuration to normal, typically "Obtain Automatically/DHCP."

> ✅ **Note:** *Visit http://luxul.com/ip-addressing to learn more about changing your computer's IP address and getting connected.*

④ Access and Setup

Getting Connected

▶ **Connecting Via an Ethernet Device:** Use Ethernet cable to connect your computer to the PoE switch or PoE injector to which the XAP-1230 is connected. Ethernet is the preferred method of connection.

▶ **Connecting Via a Wireless Device:** Connect your client device to the XAP-1230 default wireless network named **Luxul1230**. The wireless network will run in Open Security mode, so no passphrase is required until Wireless Security is configured.

Logging In

To access the AP's web configuration, open your web browser and enter the AP's default 192.168.0.10 IP address in the address field. Log in to the AP using the default user name and password:

> **Default IP: 192.168.0.10**
> **Username: admin**
> **Password: admin**

✅ **Note:** *If another device on your network shares the 192.168.0.10 address, you'll need to temporarily reassign or remove that device while you configure the XAP-1230.*

✅ **Note:** *The XAP-1230 is not a router and will need to be connected to a network with a router in order to deliver Internet access.*

⑤ Hardware Operation

LED Indicators

Power: If the Power LED is On, the XAP-1230 is powered. If the Power LED is OFF, the XAP-1230 is not receiving power or the LED has been turned off in the AP's software interface. The Power LED blinks when the XAP-1230 is booting.

XAP-1230
PWR LAN WLAN BRG

LAN Link/Activity: If the LED is On, there is an active Ethernet connection. If the LED is Off, there is no active Ethernet connection. Flashing indicates Ethernet activity.

WLAN Status: If the LED is On, the wireless radio is active and wireless access is enabled. Off indicates The wireless radio is not active and wireless access is disabled.

Bridge Mode: If the LED is On, the Bridge is connected. If the LED is Flashing, Bridge Mode is enabled but not connected. if the LED is off, the AP is in default "Access Point" mode.

PoE Injector: If the PWR LED is On, Power is Connected to the injector. If the PWR LED is Off, the injector is not receiving power.

Reset Button: The Reset button is located on the rear panel of the XAP-1230 and is used to restore factory default settings. To Restore Default Settings, with the XAP-1230 powered on, press and hold the Reset button for 10 seconds, then release.

⚠ **CAUTION:** *Holding the Reset button for more than a few seconds will restore the AP to factory default and remove any custom configuration.*

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