

CEN-WAP-1500

High-Powered Dual-Band Wireless Access Point

1 Introduction

The Crestron® CEN-WAP-1500 high-powered access point is designed for optimal performance as well as for simple and efficient installation and setup. The device can be mounted on a ceiling or wall or placed on a flat surface such as a desk.

Since the signal generated by the CEN-WAP-1500 is omnidirectional, the unit should be mounted in the center of the desired coverage area. The orientation of the unit is less important than the mounting location.



CAUTION: The CEN-WAP-1500 must be used with the supplied PoE injector. The device does not operate with other PoE injectors.

2 Installation

Prior to installation, read all warning and safety information that follows.



Warnings and Safety Information

- Verify that the electrical circuits have appropriate grounding and overload protection.
- Attach only approved power cords to the device.
- Verify there is adequate ventilation around the device and that ambient temperatures meet equipment operation specifications.
- The CEN-WAP-1500 is designed for indoor use only. DO NOT place this outdoors.
- DO NOT install in or near hot or humid places, such as a kitchen or bathroom. Take care to minimize exposure to excessive heat or moisture.
- Small parts and plastic bags used for packaging may be harmful to small children. KEEP ALL ACCESSORIES OUT OF THE REACH OF CHILDREN!
- The CEN-WAP-1500 may become hot when in use for extended time periods. This is normal and is not a malfunction. DO NOT install where it is exposed to paper, cloth, or other flammable materials.



Health and Safety Recommendations

Warnings for the Use of Wireless Devices: Please observe all warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres: Observe restrictions on the use of radio devices in fuel depots, chemical plants, etc., and areas where the air contains chemicals or particles (such as grain, dust, or metal powders).

Safety in Hospitals: Wireless devices transmit radio frequency energy and may affect medical electrical equipment. When installed adjacent to other equipment, it is advised to verify that the adjacent equipment is not adversely affected by the access point.

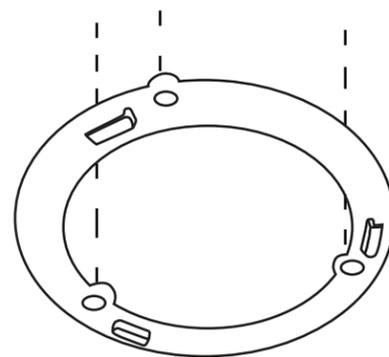
NOTE: The circular mounting bracket is required in all installation positions to allow for adequate airflow.

Ceiling and Wall Mounting

The CEN-WAP-1500 comes with a circular mounting bracket to mount it to the wall or ceiling.

1. Use the circular mounting bracket as a template to mark the mounting holes on the wall or ceiling.
2. Use the supplied drywall anchors and screws to attach the circular mounting bracket to the wall or ceiling.
3. Place the CEN-WAP-1500 over the circular mounting bracket and twist clockwise until secured.

Mounting Circular Mounting Bracket to the Ceiling



Flat Surface Installation

Place the device over the circular mounting bracket and twist clockwise until secured. Attach the included rubber footpads to the circular mounting bracket and place the CEN-WAP-1500 on any flat surface.

CEN-WAP-1500 on a Flat Surface Such as a Desktop



Wiring

Make the following connections to wire the CEN-WAP-1500:

NOTE: Prior to wiring, remove the label that covers the DATA IN and DATA & PWR OUT ports.

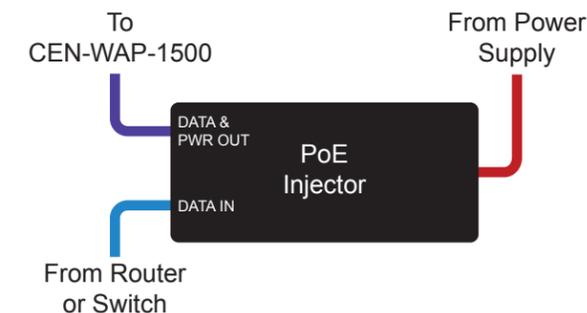
- Connect an Ethernet cable from the router or switch to the DATA IN port of the included PoE injector.
- Connect an Ethernet cable from the DATA & PWR OUT port of the included PoE injector to the PoE port on the CEN-WAP-1500.
- Connect the included ac cord to the power input of the included injector and then to the ac outlet.

The PoE injector combines power and data then transmits it to the CEN-WAP-1500.



CAUTION: The CEN-WAP-1500 must be used with the supplied PoE injector. The device does not operate with other PoE injectors.

PoE Injector Connections

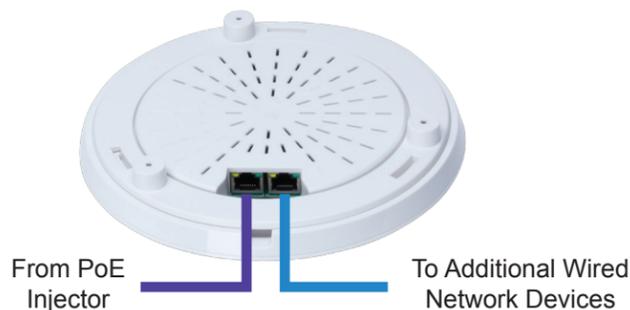


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Wiring (Continued)

CEN-WAP-1500 Connections



3 Configuration

Use Crestron Toolbox™ to discover the CEN-WAP-1500. From the **Tools** menu, select **Device Discovery Tool**. The CEN-WAP-1500 must be placed on a network with a DHCP server for the Device Discovery Tool to find the device. The CEN-WAP-1500 home page opens.

The default username and password is **admin**. For security, the password should be changed during configuration.

The CEN-WAP-1500 security defaults to WEP. To provide adequate security, the CEN-WAP-1500 should be configured to use WPA™ or WPA2™ security.

Refer to the on-screen help for assistance when configuring the CEN-WAP-1500.

NOTE: IEEE 802.1q VLAN tagging is supported on the CEN-WAP-1500. This feature is disabled by default and can be enabled during configuration. If the network is not configured to maintain tagging for VLAN 1 traffic prior to enabling this feature, the ability to manage the CEN-WAP-1500 is lost.

4 Connect a Client Device

To connect a device to the wireless network, select the wireless network and then enter the password set up during configuration. The default SSID for the 2.4 Ghz network is **Crestron**; the default SSID for the 5 GHz network is **Crestron_5**. The default WEP key for the 2.4 and 5 GHz networks is **1122334455**. It is recommended to change the default password, or, preferably, change the security from WEP to WPA or WPA2 security during configuration.

To connect a device to the wired network, use an Ethernet cable to connect the device to the LAN port on the CEN-WAP-1500.

5 LEDs

The Power, 2.4GHz, and 5GHz LEDs illuminate to indicate device function. Refer to the image and table below for LED location and functionality.



NAME	STATUS	FUNCTION
Power	On	Indicates that the device is on
2.4GHz	On	Indicates that the device is broadcasting a 2.4 GHz network
5GHz	On	Indicates that the device is broadcasting a 5 GHz network

The PoE and LAN LEDs illuminate to indicate communications status. Refer to the image and table below for LED location and functionality.



NAME	STATUS	FUNCTION
PoE (Power and Data Input)	Yellow	Connected device is 10/100 Mbps
	Green	Connected device is 1000 Mbps
LAN (Data Out)	Flashing Yellow or Green	Indicates that data packets are being passed

The PoE injector's LED illuminates to indicate it is receiving power.

The specific patents that cover Crestron products are listed at patents.crestron.com.

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