

# CEN-WAP-1500

## High Power Dual-Band Wireless Access Point

- > High output power for broader coverage
- > Concurrent dual-band (2.4 GHz & 5 GHz) technology
- > 802.11 a, b, g, and n support
- > Data transfer rates of up to 900 Mbps<sup>[2]</sup>
- > VLAN support for creating a secure guest network
- > QoS support for prioritizing network traffic
- > Support for up to 8 SSIDs
- > Web browser based management
- > System logging capability
- > One-wire installation using included PoE injector<sup>[1]</sup>
- > Low-profile housing
- > Shelf, wall, or ceiling mount installation

The CEN-WAP-1500 Wireless Access Point provides exceptional Wi-Fi® performance for use with Crestron® touch screens, remotes, computers, mobile devices, and other equipment. High output power combined with concurrent dual-band 3x3 MIMO technology delivers superior wireless range and maximum data rates for demanding residential and commercial applications. The CEN-WAP-1500 supports 802.11 a, b, g, and n devices. Internal high-performance antennas achieve extended omnidirectional coverage for easy placement in virtually any indoor environment. Its low-profile design and versatile installation options afford an unobtrusive appearance, whether placed on a shelf or mounted to a wall or ceiling. The included PoE injector streamlines wiring to the wireless access point location, carrying both power and data over a single Ethernet cable.<sup>[1]</sup>

### SPECIFICATIONS

#### Wireless

**Protocols:** IEEE 802.11 a/b/g/n Wi-Fi®  
**Frequency Bands:** Concurrent 2.4 GHz and 5 GHz (5.15-5.25 GHz or 5.8 GHz)  
**Speed <sup>[2]</sup>:** Up to 900 Mbps (450 Mbps @ 2.4 GHz, 450 Mbps @ 5 GHz)  
**Transmit Power:** 600 mW  
**Security:** 64 & 128-bit WEP, WPA™, WPA2™, WPA-PSK, WPA2-PSK

#### Wired

10/100/1000 Mbps Gigabit Ethernet <sup>[3]</sup>

#### Connectors – Wireless Access Point

**PoE:** (1) 8-wire RJ45, female; 10Base-T/100Base-TX/1000Base-T Ethernet and PoE PD (Powered Device) port <sup>[1]</sup>;  
Connects to the DATA & PWR OUT port of the supplied PoE injector <sup>[1]</sup>;  
Maximum Cable Length: 330 ft (100 m) total to network switch port with PoE injector inserted at any point in line <sup>[3]</sup>

**LAN:** (1) 8-wire RJ45, female;  
10Base-T/100Base-TX/1000Base-T Ethernet port;  
Provides a LAN port for a wired Ethernet device (does not supply PoE)



#### Connectors – PoE Injector

**DATA IN:** (1) 8-wire RJ45, female;  
Ethernet pass-thru port;  
Connects to the LAN via CAT5e or CAT6 Ethernet cable <sup>[3]</sup>

**DATA & PWR OUT:** (1) 8-wire RJ45, female;  
Ethernet pass-thru and PoE PSE port;  
Connects to the PoE port of the Wireless Access Point

**Power Input:** Main power inlet;  
Mates with detachable power cord, included

#### Controls & Indicators – Wireless Access Point

**Reset:** (1) Pushbutton, resets the device  
**Power:** (1) LED, indicates operating power is supplied via the PoE injector  
**2.4GHz:** (1) LED, indicates the configuration and broadcasting of a 2.4 GHz network  
**5GHz:** (1) LED, indicates the configuration and broadcasting of a 5 GHz network  
**PoE Port:** (2) LEDs, indicate Ethernet speed and activity  
**LAN Port:** (2) LEDs, indicate Ethernet speed and activity

#### Controls & Indicators – PoE Injector

**PoE:** (1) LED, indicated power is being delivered to the Wireless Access Point  
**PWR:** (1) LED, indicates operating power is supplied via the Power Input

#### Power Requirements

**Wireless Access Point:** 1.25 Amps @ 48 Volts DC supplied by PoE injector (included);  
Must be powered by the PoE injector supplied; not compatible with any other PoE injector or PSE <sup>[1]</sup>  
**PoE Injector (included):** 0.3 Amp @ 100-240 Volts AC, 50/60 Hz

# CEN-WAP-1500 High Power Dual-Band Wireless Access Point

## Environmental

**Temperature:** 32° to 113°F (0° to 45°C)

**Humidity:** 10% to 90% RH (non-condensing)

**Heat Dissipation:** 85 BTU/hr

## Construction

**Chassis:** Plastic

**Mounting:** Freestanding or mounts to a wall or ceiling (mounting bracket and rubber foot pads included)

## Dimensions

**Diameter:** 7.88 in (200 mm)

**Height:** 1.58 in (40 mm)

## Weight

1.0 lb (0.46 kg)

## MODELS & ACCESSORIES

### Available Models

CEN-WAP-1500: High Power Dual-Band Wireless Access Point

### Notes:

1. The CEN-WAP-1500 must be powered using the PoE injector supplied. Due to its high power design, it is not compatible with any other PoE injector or PSE (Power Sourcing Equipment).
2. All references to speed are for comparison purposes only.
3. The CEN-WAP-1500 is not a router and must be connected to a network with a router to enable Internet access.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

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