

cnPilot™ e430W

Frequently Asked Questions

What are some of the typical applications of the cnPilot e430W?

The cnPilot e430w can be used in any location that requires both wireless and wired connectivity such as hotel rooms, dormitories, apartments etc. It is ideal for installation on a wall-plate (electrical outlet box). The compact form-factor with flexible mounting options makes this an ideal AP for locations where a low-profile install is preferred.

What are the radio capabilities of the e430W?

With its dual radio design (2.4 GHz and 5 GHz), this 2x2 MU-MIMO 802.11ac Wave2 Access Point ensures excellent Wi-Fi service for all connected clients. In addition to the Wi-Fi radios the e430W also includes a Bluetooth (BLE) radio, which with a future software upgrade will support locationing applications.

How many wireless clients and SSIDs are supported?

The e430W supports up to 16 SSIDs mapped on its two radios, and can serve up to 256 wireless clients.

How many Ethernet ports does this AP have?

The e430W has 4 Gigabit Ethernet ports. One of these is at the back of the unit and also supports PoE-in. Three ports are at the bottom of the unit, one of which supports PoE-out to power up an auxiliary device. In addition the back and bottom of the unit each has one additional port for RJ45 pass-through.

What kind of PoE technology is supported on the PoE-out Ethernet port?

The PoE-Out port supports standard IEEE 802.3af. Note that this is not the same as 'Cambium PoE' which is used to power ePMP™ SMs for instance. The PoE-Out can be used to power any standard PoE device such as SIP phones or cameras.

Is this AP only for wall plate (power outlet box) installations?

While the wall plate is the typical install, the e430W has optional accessories which support its installation and use in on-wall as well as desktop-stand based deployments.

Does the AP support single-gang or dual-gang wall brackets? How about wall brackets across the world with different screw hole spacings?

Both single and dual gang outlet mountings are supported. The single-gang bracket is included with the unit. The dual gang bracket is an orderable accessory. Each bracket includes a number of screw spacing options to support the outlet standards of various countries.

What management options are supported on this AP?

The e430W can be managed by both cnMaestro™ cloud, as well as cnMaestro on-premises. In addition, Autopilot AP-as-a-controller mode is also supported.

Does the e430W support wireless Mesh links?

Yes. Meshing is supported among the e430W's as well as from an e430W to any other cnPilot Enterprise Access Point.

Do the Ethernet ports support VLAN trunking?

Yes! All four Ethernet ports on the e430W support complete VLAN configuration including operation in trunk or access modes, traffic prioritization etc.

Is guest-access / captive-portal supported on the e430w?

Yes. In addition to supporting guest access redirection and authentication for the wireless clients, the e430W also supports guest-access on its Ethernet ports for wired devices. cnMaestro supports a comprehensive guest-access solution including time-based-access, voucher-based-access, Social login, SMS-OTP as well as a payment gateway for monetization. The e430W also interoperates with several of our hospitality partners such as Purple, Cloud4Wi, Encapto etc.

How do I install the e430W securely?

The e430W hardware has two options built-in to support a secure install in locations where theft of the AP might be a concern: a Torx security screw can be used to ensure the AP cannot be easily removed from its bracket, in addition the AP also supports a Kensington lock slot.

How is the e430W powered?

The e430W supports 2 options for powering up: standard 802.3af compatible PoE-In, as well as a DC power adapter providing 48V/1A. Note that if the PoE-out capability is being utilized, the AP should either be powered over DC, or the PoE-in source should have sufficient power budget for the AP as well as the device being powered from the AP.