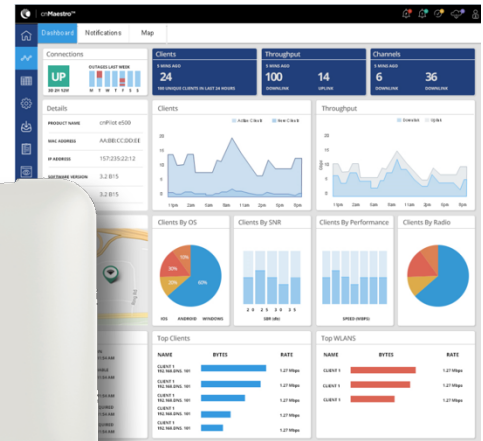# cnPilot™ E410 Indoor

## 802.11ac **wave 2** dual band 2x2 Indoor access point

The compact low profile 802.11ac Wave 2 Multi-user MIMO (MU-MIMO) beamforming, high speed E410 Enterprise access point future proofs your Indoor access point deployments and is perfect for Schools, Indoor public spaces, Malls, Hotels and Resorts (Hospitality), Coffee shops, Multi-dwelling units (MDUs) or just about any place indoor that needs reliable high performing access points

## CONTROLLER MANAGED + AUTONOMOUS

Managed by Cambium's cnMaestro™ cloud controller or On-premises controller, the cnPilot E410 management includes:
• Zero touch onboarding • Inventory tracking • Monitoring • Mass Configuration • Dashboard views with Alarms • Mass upgrade • Troubleshooting • Hierarchical device organization

## CONTROLLER-LESS ROAMING. POWERFUL SIMPLICITY

The E410 supports seamless roaming for up to 1,000 clients without needing a controller in the network! Hotspot portal hosting on the AP itself offers controller-less simplicity.

## MONETIZE: VOUCHERS. SOCIAL LOGIN

Monetize your Wi-Fi service: cnMaestro's **Guest access** feature supports splash page hosting, social login and payment gateway. All built-in power packed features available right on the controller! These features along with the ability to create time, rate and volume limited traffic profiles along with vouchers for temporary guest access makes the E410 ideal for Hotels, Coffee shops, Campgrounds, and Office guest Wi-Fi.

## SERVICE AWARE WLANS. BETTER USER EXPERIENCE

Nothing is more frustrating than connecting to an Access point, but not getting to the Internet! When connection to a critical resource such as an external Gateway or AAA is down, the E410 can turn off the impacted SSIDs enabling client devices to select a different working neighboring Access point.

## INDOOR/OUTDOOR WI-FI MESH. FLEXIBILITY

Indoor meshing across multiple E410s or Indoor/Outdoor meshing across the Indoor E410 and the Outdoor E500 offers a convenient way to easily expand Wi-Fi coverage without wires.

## COVERAGE, CAPACITY. SPEED

The plenum rated E410, packs a max transmit power of 25 dBm, and is DFS certified to make use of additional reserved 5GHz DFS channels, offering more flexibility than ever for both coverage and capacity. Throughput management via Airtime fairness, increased performance by Automatic channel scanning (ACS), and higher client device speeds from Band steering ensure your network can adapt to the dynamics of ever changing client behaviors.

## HIGH DENSITY, HIGHLY AVAILABLE

A capacity of 256 max concurrent client associations, and 16 SSIDs, along with dual on-board Active/Standby memory banks ensure the E410 combines high density with high availability.
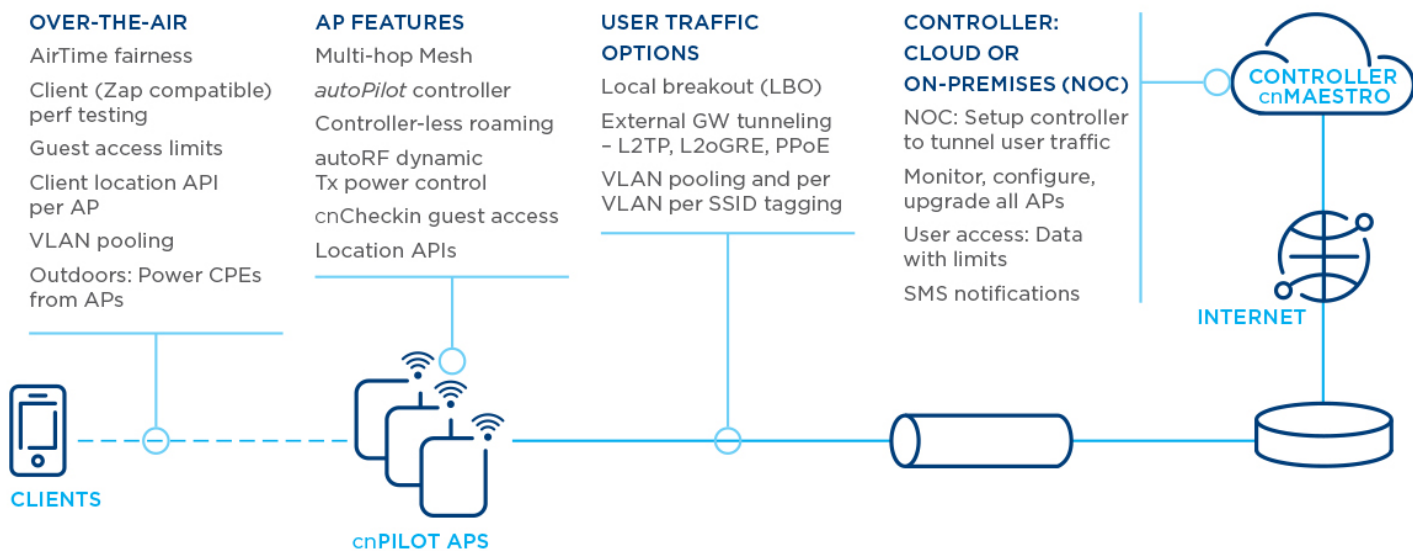
## LICENSE FREE HIGH PERFORMANCE. ONE LOW PRICE.

The 802.11ac wave 2 E410 comes with a free controller, and no AP management license fees. No hidden charges. Affordable.

## ACCESS POINT Overview

| | | | | |
|---|---|---|---|---|
| Standards | IEEE 802.11a/b/g/n/ac Wave 2  Others: 802.11 h/d/r/u/w/ | | Ethernet Ports | One (1) x 1 Gigabit Ethernet (10/100/1000 Mbps) |
| MIMO Streams | 2x2 MIMO streams. | | Frequency bands | 2.4 GHz: 2400-2484 MHz<br>5 GHz: 5150-5850 MHz with DFS band support |
| Range | 180 m (650 Ft) | | Power Supply | Standard 802.3af injector (supplied) or any PoE switch |
| Concurrent Clients | 256 | | Power Consumed | 13W (max) |
| Max Data Rates | 1.3 Gbps (1,267 Mbps) | | Dimensions | |
| SSID | 16 SSIDs across 2 radios | | | 170 x 170 x 41 mm (17 x 17 x 4.1 cm) |
| Antenna gain | 4.55 dBi (2.4 GHz)/4.25 dBi (5 GHz) | | Weight | 384grams (0.384kg) |
| Multi-Hop Mesh | Yes. Supported on Indoor & Outdoor access points.<br>Mesh auto-recovery supported | | Temperature | 0°C to +50°C |
| | | | LED | Single LED window with tri color (Amber, Blue, Green) display |
| Polarization | Dual-linear | | Max TX Power | +25 dBm |
| Antenna Coverage | Omni (360°) | | Physical Lock | Kensington key hole |

## THE ADAPTIVE CNPILOT NETWORK

### OVER-THE-AIR
AirTime fairness

Client (Zap compatible) perf testing

Guest access limits

Client location API per AP

VLAN pooling

Outdoors: Power CPEs from APs

### AP FEATURES
Multi-hop Mesh

*autoPilot* controller

Controller-less roaming

autoRF dynamic Tx power control

cnCheckin guest access

Location APIs

### USER TRAFFIC OPTIONS
Local breakout (LBO)

External GW tunneling – L2TP, L2oGRE, PPoE

VLAN pooling and per VLAN per SSID tagging

### CONTROLLER: CLOUD OR ON-PREMISES (NOC)
NOC: Setup controller to tunnel user traffic

Monitor, configure, upgrade all APs

User access: Data with limits

SMS notifications



CLIENTS

cnPILOT APS

CONTROLLER cnMAESTRO

INTERNET

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Ordering Information: The cnPilot E410 Indoor 802.11ac WAVE 2 Access point. Available in models with and without PoE Injectors

Regulatory Model Number (common to all SKUs): cnPilot™ E410 Indoor

| Sales part #s (examples) | Description |
|---|---|
| PL-E410PUSA-US | E410 with PoE injector for USA. Similarly PL-E410PEU-EU: ETSI (EU) for EU &  PL-E410PXXA-RW: Rest of the world (ROW) certified versions |
| PL-E410X00A-ROW | E410 No PoE injector for EU |

Other country specific SKUs are also available Please contact an authorized Cambium cnPilot distributor for more details or see Cambium Partner portal for list of SKUs

Discover more information on cnPilot at: **http://community.cambiumnetworks.com/**

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