The Cambium Networks cnPilot™ e430H enterprise class indoor wall plate access point supporting 802.11ac Wave 2 standards based beamforming, is perfect for hotels and resorts, multi-dwelling units (MDUs) or just about any place indoor that needs a wall mounted AP with multiple Gig E ports to drive indoor Wi-Fi and wired port network access managed via portals.

CONTROLLER MANAGED + AUTONOMOUS
Managed by Cambium Networks’ cnMaestro™ cloud controller or On-premises controller, the cnPilot e430H management includes:
• Zero touch onboarding • Inventory tracking
• Monitoring • Configuration • Dashboard views with alarms
• Mass upgrade • Troubleshooting
• Wireless and Wired port splash page guest portal

CONTROLLER-LESS ROAMING. POWERFUL SIMPLICITY
The e430H supports network wide seamless roaming for up to 2,048 clients. Host the hotspot portal on the AP for controller-less simplicity, or on cnMaestro for a powerful network wide portal.

MONETIZE: VOUCHERS. SOCIAL LOGIN
Monetize your Wi-Fi service: cnMaestro’s guest access feature supports splash page hosting, social login and payment gateway for wired and wireless clients. 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 e430H 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 AP, but not getting to the internet because the WAN link is down. When connection to a critical resource such as an external Gateway or AAA is down, the e430H monitors the uplink Gigabit interface for network outage. If an outage is detected, the impacted WLANs are disabled enabling client devices to select a neighboring AP.

Wi-Fi MESH. FLEXIBILITY
Meshing is supported across e430Hs as well as with any other indoor or outdoor Cambium Networks AP Enterprise AP, for a convenient way to expand Wi-Fi coverage without laying out cabling.

COVERAGE, CAPACITY. SPEED
The e430H packs strong transmit power and the flexible controls needed to control transmit power for high density deployments. Throughput management via airtime fairness, increased performance from autoRF, and higher client device speeds from band steering ensure your e430H network can adapt to the dynamics of ever changing client profiles.

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 e430H combines high density with high availability.

LOW TOTAL COST OF OPERATIONS (TCO) LICENSE FREE OPTION
All cnPilot access points offer total management flexibility. The e430H can be managed as a standalone access point, from an on-premises cnMaestro controller, or a cloud accessed cnMaestro account. cnPilot access points also support AutoPilot, allowing one AP to be a controller for a small network.

ACCESSORIZE The e430H package comes with a single-gang wall mount bracket. Optional accessories also include dual gang wall bracket or a desktop stand for small room table top retail outlets or dorm rooms installs.

WARRANTY Limited Lifetime Warranty (5 years)
## SPECIFICATIONS

### Access Point Specifications

| Standards | IEEE 802.11a/b/g/n/ac Wave2  
IEEE 802.11d/e/f/i/k/r/u/v/w  
Modulation: BPSK, QPSK, CCK, 16/64/256-QAM  
Radio modes: DSSS, OFDM |
| Frequency Bands | 2.400 to 2.4284 GHz  
(Country-specific limits apply, some bands require DFS)  
5.150 to 5.250 GHz  
5.250 to 5.350 GHz  
5.470 to 5.725 GHz  
5.725 to 5.850 GHz |
| MIMO, Streams | 2x2:2 MU-MIMO |
| Beamforming | Supported |
| Channel Width | 20MHz, 40MHz, 80MHz |
| Concurrent Clients | 256 |
| SSIDs | 16 |
| Transmit Power (conducted total) | 2.4GHz : 23dBm  
5GHz : 21dBm |
| Antenna Gain | 2.4GHz : 3.5dBi  
5GHz : 4.9dBi |
| Max Data Rate | 2.4GHz : 400Mbps  
5GHz : 867Mbps |
| Antenna | Omnidirectional, integrated |
| Bluetooth | Bluetooth 4 BLE Radio, 3.3dBi antenna |
| Ethernet Ports | Four auto-sensing MDIX Gigabit Ethernet (10/100/1000 Mbps), One pass-through Port. |
| Radio Features | Maximum ratio combining (MRC)  
Cyclic delay/shift diversity (CDD/CSD)  
Space-time blocking coding (STBC)  
Low-density parity check (LDPC)  
Packet Aggregation: A-MPDU, A-MSDU |
| Wi-Fi Alliance | Wi-Fi certified a,b,g,n, ac  
WPA2 – Enterprise, Personal  
WMM |
| Power Supply | 802.3af PoE Injector, or PoE switch. 48V DC.  
802.3at or PoE+ if using PoE-Out |
| Dimensions | 14.7 x 9.4 x 3.4 cm (5.7 x 3.7 x 1.3 Inch) |
| Weight | 390 g (0.86 lb) |
| Operating Temperature | 0°C to +45°C (+32°F to +113°F) |
| Operating Humidity | 5% to 95% non-condensing |
| Power Consumed | 9W (typical)  
25W (max, with PoE-out) |
| LED | Tri-color software controlled LED |
| Secure Mounting | Kensington Key Slot |
| MTBF | 1,025,801 hrs at 50°C, 2,828,686 hrs at 25°C |
| Reset Button | Supported |
| Certifications | FCC, CE, IC, UL,  
WEEE/RoHS compliance |
| Mounting Options | In wall single-gang bracket included.  
Accessories available: dual gang bracket, on-wall bracket, desktop stand. |
| Management Modes | cnMaestro cloud managed  
cnMaestro on-premises VM controller managed  
Autopilot (AP as controller)  
Standalone with AP GUI (http/https), CLI (telnet/ssh) |
| Wireless Security | WPA-TKIP, WPA2-AES, 802.11i  
WPA-PSK, WPA2-PSK, WPA2-Enterprise  
802.1x Authentication with various EAP types (EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-Mschapv2, PEAPv1/EAP-GTC, EAP-SIM, EAP-AKA, EAP-AKA', EAP-FAST)  
Protected Management Frames (802.11w) |
| Dynamic SSID Service | By time/date, by monitored host. |
| MAC Authentication | On-AP MAC filtering list.  
On-Controller MAC filtering list.  
RADIUS MAC Authentication.  
MAC Authentication fallback to Captive Portal |
| RF Management | AutoRF automatically manages channel and power |
| Guest Access Captive Portal | cnMaestro Controller Portal.  
Integrates with 3rd party Guest Access Portals.  
Built-in Portal on AP.  
LDAP & RADIUS authentication.  
Walled Garden with DNS whitelist.  
Wireless and Wired Clients supported. |
| Rate Limiting | Per-client, Per-WLAN static and dynamic rate limiting |
| Client Isolation | On AP, Network-wide. |
| Fast Roaming | 802.11r, Opportunistic Key Caching, Enhanced Roaming |
| Airtime | Airtime Fairness, Band Steering, Band Balancing |
| AAA Support | RADIUS Authentication, Accounting, Dynamic Authorization (CoA, DMI), Server failover, load-balancing |
| QoS | 802.11e/WMM QoS. DSCP/ToS mapping. |
| Ethernet (L2) Services | 802.1p/802.q, RADIUS assigned VLAN, VLAN per SSID, VLAN pooling. LLDP. IGMP Snooping (V1/V2/V3). |
| Mesh | WDS Mesh with Single and Multiple radio hops. |
| Network Services | NAT, DHCP Server |

### Wi-Fi Alliance

| Management Modes | cnMaestro cloud managed  
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### Management Features

| Management Features | cnPilot™ e430H Indoor SPECIFICATION SHEET |
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THE e430H SOLUTION ARCHITECTURE VIEW

Role Based Access Control

RADIUS Authentication Server

APIs

cnMaestro Controller

Wi-Fi Devices

PoE Powered IP Phone

Eth: IPTV Set-top Box

Eth: connected clients

Pass-thru non-IP devices

e430H – Radio unit and Accessories (optional)

e430H radio front facing

e430H radio rear facing

Optional Accessory: Desktop stand

Aesthetically pleasing design
with a low profile to seamlessly integrate in a hospitality or MDU.

Included: Single gang bracket

Optional Accessory: Dual gang bracket

Optional Accessory: Generic wall bracket

The e430H is designed to be powered by an external PoE Switch or PoE Injector. Alternatively, it may be powered by a 48V/1A DC adaptor (sold separately).

Other optional mounting accessories are available for separate purchase.
Regulatory Model Number (common to all sales part #s): REG-

<table>
<thead>
<tr>
<th>PL-E430H Sales part #</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>PL-E430H00A-US</td>
<td>cnPilot e430H Indoor (FCC) 802.11ac wave 2, Wall plate WLAN AP w/ single-gang wall bracket</td>
</tr>
<tr>
<td>PL-E430H00A-CA</td>
<td>cnPilot e430H Indoor (CA) 802.11ac wave 2, Wall Plate, WLAN AP w/single-gang wall bracket. Canada</td>
</tr>
<tr>
<td>PL-E430H00A-EU</td>
<td>cnPilot e430H Indoor (EU) 802.11ac wave 2, Wall plate WLAN AP w/ single-gang wall bracket</td>
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<tr>
<td>PL-E430H00A-RW</td>
<td>cnPilot e430H Indoor (ROW) 802.11ac wave 2, Wall plate WLAN AP w/ single-gang wall bracket</td>
</tr>
<tr>
<td>PL-E430H00A-IL</td>
<td>cnPilot e430H Indoor (Israel) 802.11ac wave 2, Wall plate WLAN AP w/ single-gang wall bracket</td>
</tr>
</tbody>
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Discover more information on cnPilot WLAN solutions at: http://community.cambiumnetworks.com/