

Cambium Network cn Pilot e600 Indoor Access Point

Overview

The Cambium cnPilot e600 is a high-performance indoor Wi-Fi 5 access point with 802.11ac Wave 2 and 4x4 MU-MIMO technology, delivering gigabit speeds and supporting up to 512 concurrent clients. It features seamless controller-less roaming for up to 1,000 clients and offers built-in guest access with social login and voucher support. This AP supports mesh networking for easy coverage expansion and is plenum-rated with DFS certification for enhanced spectrum use. Managed via Cambium's cnMaestro cloud or on-premises controller, it enables zero-touch provisioning and comprehensive network management.

FIGURE 1: APPEARANCE OF cn Pilot e600



TABLE 1: QUICK SPECS OF CAMBIUM cn Pilot e600 AP

| | |
|---------------|--|
| SKU | PL-E600X00A-RW |
| Description | Gigabit 802.11ac wave 2 dual band 4x4 Indoor access point |
| Wifi standard | IEEE 802.11a/b/g/n/ac Wave 2 Other standards: 802.11 h/d/r/u/w |
| Dimensions | 180x180x42mm (or 18x18x4.2cm) |
| Antenna | Omni (360°) |

FIGURE 2: FRONT PANEL OF CAMBIUM cn Pilot e600 AP



CAMBIUM cn Pilot e700 AP provides these features:

1.High-Speed 802.11ac Wave 2 with MU-MIMO

The e600 supports gigabit speeds through 802.11ac Wave 2 technology, using 4x4 MU-MIMO (Multi-User Multiple Input Multiple Output), which allows it to serve multiple devices simultaneously with improved throughput and reduced latency.

2.Supports High Client Density

It can handle up to 512 concurrent client connections, making it ideal for environments like classrooms, malls, hotels, and public venues where many users need reliable, high-speed access at the same time.

3.Controller-less Seamless Roaming

The device enables clients to roam across access points seamlessly without needing a centralized controller, simplifying network architecture and ensuring uninterrupted connectivity for up to 1,000 clients.

4.Advanced RF Management

This AP has features like beamforming, airtime fairness, automatic channel scanning, and band steering optimize wireless performance dynamically, improving signal quality, reducing interference, and balancing network load.

5.Flexible Deployment and Management

The e600 supports indoor and mesh networking, plenum-rated for safe deployment in air handling spaces and is managed via Cambium's cnMaestro cloud or on-premises platform for easy provisioning, monitoring, and troubleshooting.

SPECIFICATION

| Cambium cn Pilot e600 Specification | |
|-------------------------------------|--|
| MODEL NUMBER | cn Pilot 600 |
| WIFI STANDARD | IEEE 802.11a/b/g/n/ac Wave 2 Other standards: 802.11 h/d/r/u/w |
| WEIGHT | 400 g |
| MIMO Streams | 2x2 (2.4 GHz) , 4x4 (5 GHz) MIMO streams. |
| DIMENSIONS (W x H x D) | 180x180x42mm (or 18x18x4.2cm) |
| RANGE | 250 m (800 Ft) |
| MAX DATA RATE | 1.73 Gbps (1,733 Mbps) |
| 12 V DC INPUT | YES |
| STANDARDS | 4.55 dBi (2.4 GHz)/4.25 dBi (5 GHz) |
| MIMO STREAM | 2x2 (2.4 GHz) , 4x4 (5 GHz) MIMO streams. |
| MAX DATA RATE | 1.73 Gbps (1,733 Mbps) |
| ETHERNET | Two (2) x 1 Gigabit Ethernet (10/100/1000 Mbps) |
| ANTENNA COVERAGE | Omni (360°) |
| SSID | 16 SSIDs across 2 radios |
| POLARIZATION | Dual-linear |
| TEMPERATURE | 0°C to +50°C |
| ETHERNET PORTS | Two (2) x 1 Gigabit Ethernet (10/100/1000 Mbps) |
| FREQUENCY BANDS | 2.4 GHz: 2400-2484 MHz 5 GHz: 5150-5850 MHz with DFS band support |
| SUBSCRIBER QoS | WMM |
| POWER CONSUMPTIONS | 22 W |
| MAX TX POWER | 22 dBm |
| LED | Single LED window with tri color (Amber, Blue, Green) |
| PHYSICAL LOCK | Kensington key hole |
| CERTIFICATIONS | FCC, ETSI, CE |

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