

Cambium Network cn Pilot e700 Outdoor Access Point

Overview

The Cambium cnPilot e700 is a high-performance outdoor Wi-Fi 5 access point designed for demanding environments. It features gigabit throughput with 802.11ac Wave 2 and 4x4 MU-MIMO, delivering reliable and fast connectivity for up to 512 concurrent clients. The rugged IP67-rated enclosure and extended temperature range ensure durable operation in harsh outdoor conditions. Advanced RF management, dual gigabit Ethernet ports with PoE out, and enterprise-grade security provide optimized coverage, scalable deployment, and robust protection.

FIGURE 1: APPEARANCE OF cn Pilot e700



TABLE 1: QUICK SPECS OF CAMBIUM cn Pilot e700 AP

SKU	PL-E700X00A-RW
Description	802.11ac Wave 2 Internal Antenna Outdoor Wi-Fi Access Points
Wifi standard	802.11 a/b/g/n/ac
Dimensions	315 mm x 215 mm x 66 mm (12.4 in x 8.46 in x 2.6 in)
Antenna	Internal omni-directional 2.4 GHz: 8 dBi 5 GHz: 8 dBi

FIGURE 2: FRONT PANEL OF CAMBIUM cn Pilot e700 AP



FIGURE 3: BACK PANEL OF CAMBIUM cn Pilot e700 AP



CAMBIUM cn Pilot e700 AP provides these features:

1. High-Capacity Performance

It supports 512 concurrent clients with 802.11ac Wave 2 technology and 4x4 MU-MIMO, delivering gigabit-class throughput ideal for dense outdoor environments.

2. Rugged Outdoor Durability

It features an IP67-rated enclosure with UV protection and an extended operating temperature range (-40°C to 65°C), ensuring reliable all-weather outdoor operation.

3. Advanced RF Management

It includes standards-based beamforming, dynamic channel selection, automatic power control, and band steering to optimize wireless quality and range even in high-interference settings.

4. Dual Gigabit Ethernet with PoE Out

It provides two gigabit Ethernet ports with link aggregation support and an auxiliary PoE out port to power additional devices, simplifying deployment and reducing infrastructure costs.

5. Seamless Mesh and Backhaul Integration

It supports rapid multi-hop mesh network setups, dedicating radios for simultaneous client access and mesh backhaul, enabling flexible and scalable wireless topology.

6. Enterprise-Grade Security and Management

It offers WPA2 encryption, 16 SSIDs, captive portal, wireless intrusion detection, and centralized cloud or on-premises management with cnMaestro for streamlined network control.



SPECIFICATION



Cambium cn Pilot e700 Specification	
MODEL NUMBER	cn Pilot e700
WIFI STANDARD	802.11 a/b/g/n/ac
WEIGHT	1,700g (3.75 lbs)
DIMENSIONS (W x H x D)	315 mm x 215 mm x 66 mm (12.4 in x 8.46 in x 2.6 in)
RADIOS	1 x 5 GHz radio (802.11 a/n/ac Wave 2), 2x2 1 x 2.4 GHz (802.11 b/g/n), 2x2 SU-MIMO / MU-MIMO: 2 streams
MAX EIRP	2.4 GHz: 33 dBm 5 GHz: 36 dBm
MAX PHY RATE	2.4 GHz radio: 400 Mbps 5 GHz radio: 1733 Mbps
ETHERNET	2 IEEE Gigabit, auto sensing 1 port with Cambium 30V or 48V PoE Out
ANTENNA GAIN	Internal omni-directional 2.4 GHz: 8 dBi 5 GHz: 8 dBi
WLAN	512 clients per radio, 32 SSIDs (16 per radio) WPA-TKIP, WPA2 AES, 802.1x, 802.11w PMF
SSID SECURITY	WPA2 (802.11i), WPA2 Enterprise (802.1x/EAP), WPA PSK, Open
OPERATING TEMPERATURE	-40°C to 65°C
STORAGE TEMPERATURE	-40°C to 70°C
HUMIDITY	95% RH non-condensing
MTBF	700k hours
POWER CONSUMPTIONS	802.3at powered device Or 60 W Injector for max load with power-out Typical load: 18W, Max: 25W 40W when connected to full 802.3af load on GE 2 Canopy power out or 802.3af
LED	Two single color status LED
FILTER LTE BAND	38, 40
MOUNT OPTIONS	Integrated pole 38 mm and 76 mm (1.5 in and 2.99 in), wall mount
CERTIFICATIONS	Wi-Fi Alliance 802.11a/b/g/n/ac, Passpoint 2.0 FCC, ETSI, CE, EN 60601-1-2, IEC60950 UL2043

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CONTACT US

Insight Technology Pvt. Ltd.

Email: care@insightinfosys.com

Phone: +977 1 5268730, 9801148543

Address: Steel Tower, Jawalakhel, Lalitpur



Insight Infosys.com