Cambium Networks™

cnPilot™ E400 Indoor Access Point

EXPANDING THE ENTERPRISE.

Designed for high density wireless Service providers, Enterprise hospitality, retail or public Wi-Fi deployments, the cnPilot™E400 offers Wi-Fi that is scalable, secure, and reliable. The enterprise-grade 802.11ac access points managed by on-premise or cloud management controller rolls out quickly and is easy to set up and operate.

Cloud Management: backed by Cambium's *cn*Maestro™ cloud manager offering end to end visibility of the network and customer devices

- Out-of-the box zero touch onboarding

- Stateful alarms and dashboard views

- Multiple management options available including cloud-based, SNMP and an enriched set of RESTful interfaces

End-to-end Troubleshooting: Single dashboard view and rich statistics ensure rapid root cause detection and issue resolution

- One-click functionality reveals the health of all network nodes related to the problem area

- Troubleshoot end user client connectivity on any WLAN from a single console

- No truck roll required to debug wired or wireless connectivity configurations

Network Monetization:

- Integration with 3rd party external guest access solutions

- Onboard guest access portal for simple deployments

Security:

- Support WPA2 Enterprise and WPA2 PSK

- Secure connection over HTTPS back to the cloud for management
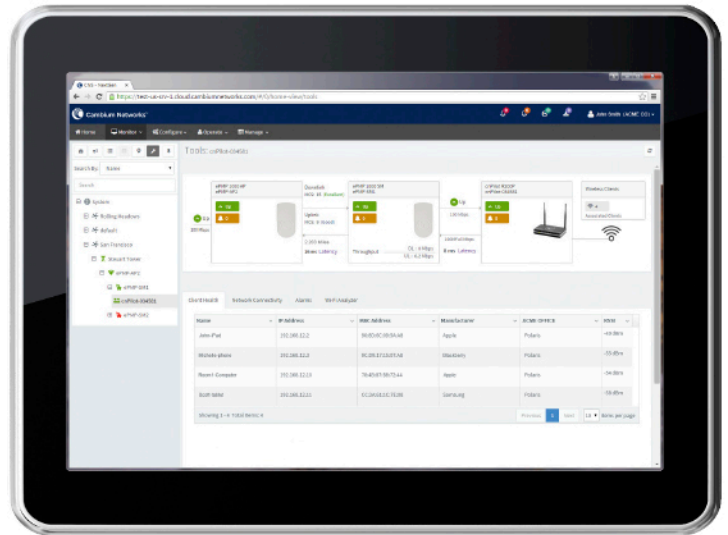
*cn*Maestro™ Dashboard

KEY FEATURES:

802.11ac concurrent dual band
2x2 MIMO
16 SSIDs supporting 256 concurrent users
Cloud or On-premises managed autonomous controller-less on-site behavior
On-board captive portal, NAT, DHCP server
Rate limiting per SSID and client. VLANs per SSID
Seamless roaming across access points (AP)
Auto channel selection (ACS)

*Some of the features listed below will be roadmap available

Specifications - WLAN ACCESS POINT SPECIFICATIONS

TYPE	Dual band 2.4 GHz & 5 GHz 802.11ac Indoor APs
STREAM	2x2 MIMO
RANGE	180 m (650 Ft)
CONCURRENT CLIENTS	256
MAX THROUGHPUT	+1.167 Gpbs
SSID	16
ANTENNA	Integrated Omni
ANTENNA GAIN	5 dBi
POLARIZATION	Dual Polarized
ANTENNA COVERAGE	Omni (360°)
ETHERNET PORTS	One (1) x 1 Gigabit Ethernet (GigE)
PHYSICAL LOCK	Kensington key hole
POWER SUPPLY	802.3af injector or Powered Ethernet switch
POWER CONSUMED	13W (max)
DIMENSIONS (CM)	18 cm x 18 cm x 3 cm
WEIGHT	350g
TEMPERATURE	0°C to +50°C
CERTIFICATION	FCC, CE
TX POWER	25 dBm

WIFI FEATURES

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MANAGED	Access point can be deployed at large scale in *cn*Maestro controller managed mode
AUTONOMOUS MODE	Capable of operating autonomously when connection to *cn*Maestro controller is lost
DEPLOYMENT MODEL	Stand-alone APs or Cloud Managed WiFi APs
SECURE WLAN	WPA-TKIP, WPA2 AES
HOTSPOT CAPTIVE PORTAL	Controller based Hotspot (on cnMaestro Stand-alone mode AP based hotspot server. Also supports hotspot redirection to 3rd party Hotspot server
AUTHENTICATION	Secure Web page, RADIUS based 802.1x including EAP-SIM/AKA, EAP-PEAP, EAP-TTLS, and EAP-TLS
SCHEDULED SSID	Turn SSID ON/OFF on a daily/weekly/time of day basis
GUEST ACCESS	Yes
DATA LIMITING	Rate limiting of client traffic: Caps utilization based on data rates, max data rates and time interval
SUBSCRIBER QOS	WMM
CLIENT ISOLATION	Yes
FAST ROAMING	Controller-less fast roaming supported
AUTOMATIC CHANNEL SELECTION	Yes
NAT	Yes
DHCP SERVER	Yes
FIREWALL	Yes
ACL, DNS-ACL	Yes
BAND STEERING & LOAD BALANCING	Steers 802.11ac and 802.11n clients that may otherwise be using a slower 2.4 GHz to the higher throughput capable 5 GHz band

Specifications

## *cn*Maestro CONTROLLER & MANAGEMENT

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GUI	Simple intuitive web browser enabled tabbed GUI to simplify complex network views
COMMON FRAMEWORK	One-single-pane-of-glass with an integrated wireless view into the network Manage both cnPilot and Cambium's ePMP radios, from the same login screen
FRICTIONLESS ON-BOARDING	Secure large scale bulk onboarding Zero touch bulk configuration and provisioning
DEVICE INVENTORY	Inventory tracking and reporting
MONITORING	Insightful status monitoring; rich visibility to device lifecycle Alarms and events management – Critical/Major/Minor Statistics graphs and table display Alarm traffic light display
KEY STATS MONITORING	Near real time stats for monitoring
CLIENT INSIGHT	Shows client history with aggregate client manufacturer views
MULTIPLE ADMINS	Multiple admin provisioning per account
SOFTWARE UPGRADE	Ability to upgrade multiple WiFi devices at a time

2D Gain Patterns

2.4 GHz Azimuth (Horizontal) Gain Pattern
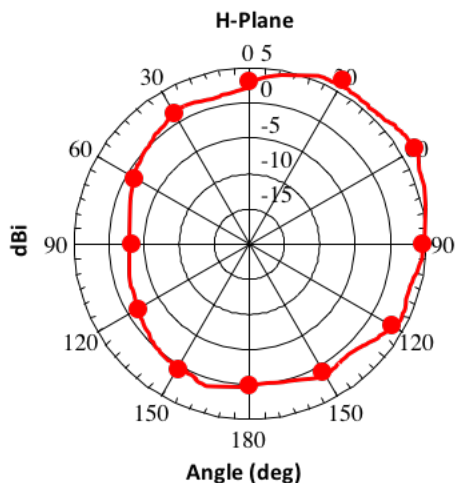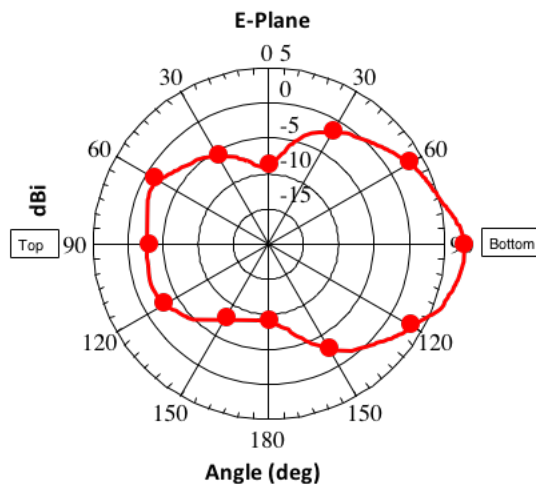

2.4 GHz Elevation (Vertical) Gain pattern
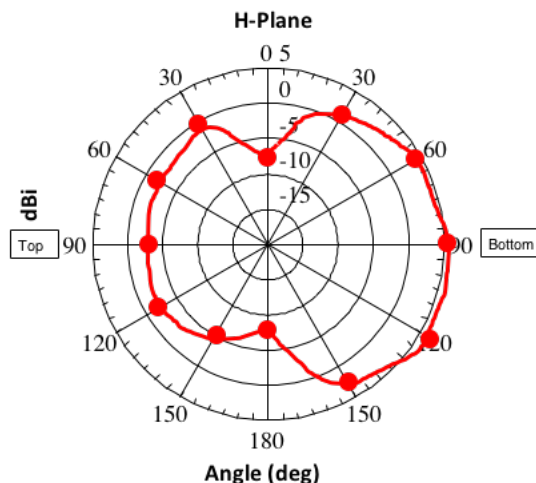
5 GHz Azimuth (Horizontal) Gain Pattern
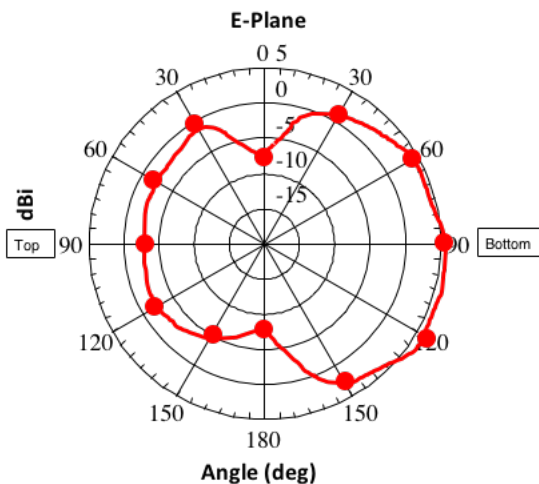
5 GHz Elevation (Vertical) Gain pattern

*cn*Pilot E400 Indoor - Ordering Information

The cnPilot E400 Indoor 802.11ac Access Point. Available with PoE Injector and mounting brackets

Sales part #	Region
C000100W400A	FCC certified version
C000100W401A	ETSI certified version for EU market
C000100W404A	The Rest-of-the-world version (RW); includes Power supply; no country cord
Other country specific SKUs are also available Please contact an authorized distributor for more details	

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