Get to Know WAP571 Wireless-AC/N Premium Dual Radio Access Point with PoE

Objective

The WAP571 Wireless-AC/N Premium Dual Radio Access Point with PoE uses concurrent dual-band radio for improved coverage and user capacity. The 3x3 multiple-input multiple-output (MIMO) technology with three spatial streams allows the access point to run at maximum performance in both the 5.0 GHz and 2.4 GHz frequency. Gigabit Ethernet LAN interfaces with Power over Ethernet (PoE) facilitate flexible installation and reduce cabling and wiring costs. The intelligent quality-of-service (QoS) feature lets you prioritize bandwidth-sensitive traffic for voice over IP (VoIP) and video applications.

To provide highly secure guest access to visitors and other users, WAP571 supports a captive portal with multiple authentication options and the ability to configure rights, roles, and bandwidth. A customized guest login page lets you present a welcome message and access details, and reinforces your brand with company logos.

This article explains the features and functions of the WAP571 Wireless-AC/N Premium Dual Radio Access Point with PoE.

Applicable Devices

- WAP571

Rubber feet &
Mounting bracket
included

Dual GigE w/PoE+
& Static LAG
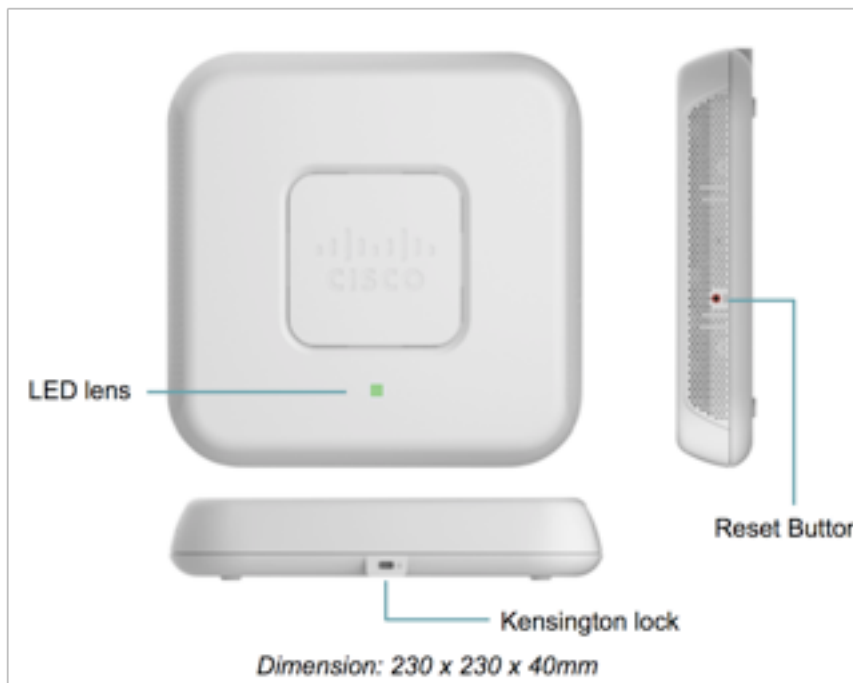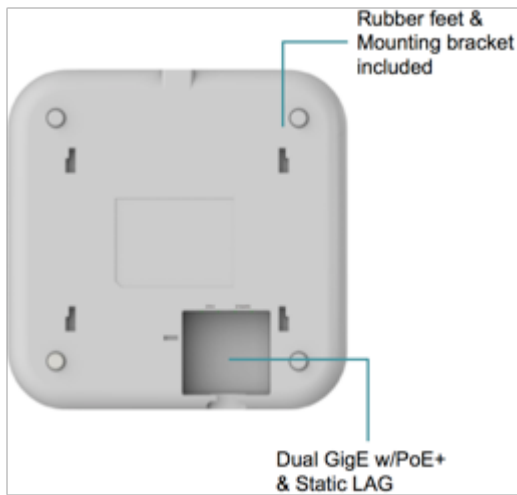
Product Features

Concurrent dual-band radio support up to 1.3 Mbps on a 5.0 GHz radio and 600 Mbps on a 2.4 GHz radio to make the most of capacity and coverage

3x3 MIMO with three spatial streams on both 5.0 GHz and 2.4 GHz allows for maximum performance

Single Point Setup, a controller-less technology, simplifies the deployment and management of multiple access points without requiring additional hardware

Two-Gigabit Ethernet LAN interfaces can enable a high-speed uplink to the wired network and also link aggregation support to increase the overall bandwidth between the two ports

Robust security, including WPA2, 802.1X with Remote Authentication Dial-In User Server (RADIUS) secure authentication, and rogue access point detection, help protect sensitive business information

A captive portal support facilitates highly secure, customized guest access with multiple rights and roles

Simple installation through a Setup Wizard and an intuitive web-based configuration facilitate fast, simple deployment and setup in minutes

Support for PoE allows for easy installation without expensive additional wiring

Sleek design with multiple internal antennas and a versatile mounting kit allows for installation on a ceiling, wall, or desktop

Intelligent QoS prioritizes network traffic to help keep critical network applications running at top performance

A power-saving sleep mode and port control features help increase energy efficiency.

Workgroup Bridge mode lets you expand your network by wirelessly connecting to a second Ethernet network

Support for IPv6 lets you deploy future networking applications and operating systems without costly upgrades

A limited lifetime hardware warranty provides peace of mind

Product Specifications

Specifications	Description
Standards	IEEE 802.11ac, 802.11a, 802.11n, 802.11g, 802.11b, 802.3af, 802.3u, 802.1X (security authentication), 802.1Q (VLAN), 802.1D (Spanning Tree), 802.11i (WPA2 security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460)
Ports	2 LAN Gigabit Ethernet autosensing
Cabling Type	Category 5e or better
Antennas	Internal antennas optimized for installation on a wall or ceiling
LED Indicators	One LED
Operating System	Linux
Physical Interfaces	
Ports	2 - 10/100/1000 Ethernet, with support for 802.3at at PoE support is only for 1 port and not 2 ports
Buttons	Reset button
Lock Slot	Slot for Kensington lock
LEDs	One multi-function LED
Physical Specifications	
Physical Dimensions	9.05 x 9.05 x 1.57 in. (230 x 230 x 40 mm)
Weight	1.71 lb (778 g)
Network Capabilities	
VLAN Support	Yes
Number of VLANs	1 management VLAN plus 32 VLANs for SSIDs
802.1X Supplicant	Yes
SSID-to-VLAN Mapping	Yes
Auto-Channel Selection	Yes
Spanning Tree	Yes
Load Balancing	Yes
IPv6	Yes • IPv6 host support • IPv6 RADIUS, syslog, Network Time Protocol (NTP)
Layer 2	802.1Q-based VLANS, 32 active VLANS plus 1 management VLAN
Security	
WPA, WPA2	Yes, including Enterprise authentication
Access Control	Yes, management access control list (ACL) plus MAC ACL
Secure Management	HTTPS
SSID Broadcast	Yes

Rogue Access Point Detection	Yes
Mounting and Physical Security	
Multiple Mounting Options	Mounting bracket included for easy ceiling or wall mounting
Physical Security Lock	Kensington lock slot
Quality of Service	
QoS	Wi-Fi Multimedia and Traffic Specification (WMM TSPEC), client QoS
Performance	
Wireless Throughput	Up to 1.9 Gbps data (real-world throughput will vary)
Recommended user support	Up to 200 connective users, 50 active users per radio
Multiple Access Point Management	
Single Point Setup	Yes
Number of Access Points per Cluster	16
Active Clients per Cluster	960
Configuration	
Web User Interface	Built-in web-based utility for easy browser-based configuration (HTTP/HTTPS)
Management	
Management Protocols	Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour
Remote Management	Yes
Event Logging	Local, remote syslog, email alerts
Network Diagnostics	Logging and packet capture
Web Firmware Upgrade	Firmware upgradable through web browser, imported or exported configuration file
Dynamic Host Configration Protocol (DHCP)	DHCP Client
IPv6 Host	Yes
HTTP Redirect	Yes