UAP-AC-PRO DATASHEET

Overview

The UniFi AC Pro is a high-performance, dual-band Wi-Fi 5 access point designed for both indoor and outdoor use. It features 3x3 MIMO technology on both 2.4 GHz and 5 GHz bands, delivering speeds up to 1.3 Gbps on 5 GHz and 450 Mbps on 2.4 GHz. The access point supports Power over Ethernet (PoE) for flexible deployment and is built with a weatherproof enclosure for robust operation. With support for over 250 concurrent clients, advanced security, and easy management through the UniFi Controller, it offers reliable wireless coverage and performance for enterprise and commercial networks.

QUICK SPEC

FIGURE 1: APPEARANCE OF UAP-AC-PRO

TABLE 1: Quick Specs

TABLE 1: QUICK SPECS OF UAP-AC-PRO

SKU	UAP-AC-PRO
Description	Dual-band Wi-Fi 5 access point
WIFI standard	WiFi 5
Dimensions	Ø196.7 x 35 mm (Ø7.7 x 1.4")
Antenna	5 GHz-3 dBi 2.4 GHz-3 dBi

Product Details

FIGURE 2: FRONT PANEL OF UAP-AC-PRO

FIGURE 3: SIDE PANEL OF UAP-AC-PRO

FIGURE 4: BACK PANEL OF UAP-AC-PRO

UAP-AC-PRO AP provides these features

1.Dual-Band Wi-Fi with 3x3 MIMO Technology

This AP supports simultaneous operation on 2.4 GHz and 5 GHz bands with 3 spatial streams each, delivering high speeds (up to 1.3 Gbps on 5 GHz) and stable connections for multiple devices without interference.

2.Power over Ethernet (PoE) Flexibility

This AP can be powered using standard PoE (802.3af) or PoE+ (802.3at), simplifying installation by eliminating the need for separate power outlets and enabling mounting in locations that lack immediate power access.

3.Wireless Meshing

It allows access points to wirelessly connect to each other, extending network coverage without needing Ethernet cabling, making deployment more flexible especially in larger or complex spaces.

4.Band Steering:

This AP automatically encourages dual-band-capable devices to connect to the faster 5 GHz band, optimizing network performance and freeing the 2.4 GHz band for legacy devices.

5.Fast Roaming (802.11r)

This AP ensures seamless transfers between access points for mobile devices, which is critical for uninterrupted voice or video calls and smooth mobility in areas with multiple APs.

7.Enhances wireless efficiency

This AP enhances wireless efficiency by helping client devices and APs manage radio resources smartly and assist clients in transitioning between APs for optimal signal quality.

8.Captive Hotspot Portal with Custom Branding

This AP supports guest access with customizable login pages, vouchers, and payment-based access, ideal for public-facing WiFi environments such as cafes or hotels.

SPECIFICATION

UAP-AC-PRO Specification	
MODEL NUMBER	UAP-AC-PRO
WIFI STANDARD	WiFi 5
WEIGHT	350 g (12.4 oz)
DIMENSIONS (W x H x D)	Ø196.7 x 35 mm (Ø7.7 x 1.4")
SPATIAL STREAMS	6
COVERAGE AREA	140 m² (1,500 ft²)
MAX . CLIENT COUNT	250+
UPLINK	GbE
MOUNTING	Ceiling, Wall (Pro Mount Supported)
POWER METHOD	PoE
BSSIDs	8 per Radio
MIMO	5 GHz - 3 x 3 (DL MU-MIMO) 2.4 GHz - 3 x 3 (DL MU-MIMO)
SUPPORTED DATA RATEs	802.11ac (WiFi 5) 6.5 Mbps to 1.3 Gbps (MCS0 - MCS9 NSS1/2/3, VHT 20/40/80) 802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)
ANTENNA GAIN	5 GHz-3 dBi 2.4 GHz-3 dBi
NETWORKING INTERFACE	(2) GbE RJ45 ports
SUPPORTES VOLTAGE RANGE	44—57V DC
MANAGEMENT	Ethernet
OPERATING TEMPERATURE	-10 to 70° C (14 to 158° F)
OPERATING HUMIDITY	5 to 95% noncondensing
MOUNTING	Ceiling, Wall (Pro Mount Supported)
POWER CONSUMPTIONS	9W
POWER METHOD	PoE
CERTIFICATIONS	CE, FCC, IC, Anatel

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