



# UniFi<sup>®</sup> AC

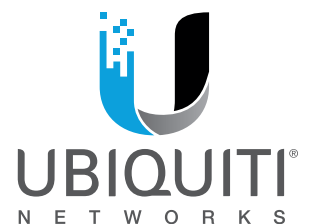
## 802.11AC Dual-Radio Access Points

Models: UAP-AC-IW, UAP-AC-IW-PRO, UAP-AC-LITE, UAP-AC-LR, UAP-AC-PRO, UAP-AC-EDU

Unlimited Indoor/Outdoor AP Scalability in a Unified Management System

Breakthrough Speeds up to 1300 Mbps in the 5 GHz Band

Intuitive UniFi Controller Software



# Models

## Hardware Overview

**Easy Mounting** Sleek design for seamless integration into any environment (all accessories included).

**LED** Unique provisioning and status LED provides administrator location tracking and alerts for each device.

**Designed for the Great Outdoors** The UniFi AC Pro features weatherproof casing designed specifically for outdoor applications.

**Advanced Acoustic Speaker** The UniFi AC EDU AP provides high-quality sound with accurate voice reproduction for announcements over Wi-Fi.

**Power over Ethernet (PoE)** Includes PoE functionality. Each single-pack, except for the UniFi AC In-Wall AP and In-Wall Pro AP, includes a PoE adapter.

## PoE Switching

**UniFi Switch with PoE** You can power your UniFi devices with a UniFi PoE Switch (sold separately). Available in 8, 16, 24, and 48-port versions with multiple power output options, the UniFi PoE Switch conveniently offers auto-sensing IEEE 802.3af PoE/802.3at PoE+.



**PoE Standards** The UniFi AC EDU, In-Wall, In-Wall Pro, and Pro APs are compatible with an 802.3at PoE+ compliant switch. The UniFi AC Pro AP can also use 802.3af PoE.

## Model Comparison Chart



|                         | UAP-AC-IW                 | UAP-AC-IW-PRO             | UAP-AC-LITE                      | UAP-AC-LR                        | UAP-AC-PRO                  | UAP-AC-EDU   |
|-------------------------|---------------------------|---------------------------|----------------------------------|----------------------------------|-----------------------------|--------------|
| Environment             | Indoor                    | Indoor                    | Indoor                           | Indoor                           | Indoor/Outdoor              | Indoor       |
| Simultaneous Dual-Band  | ✓                         | ✓                         | ✓                                | ✓                                | ✓                           | ✓            |
| 2.4 GHz Radio Rate      | 300 Mbps                  | 450 Mbps                  | 300 Mbps                         | 450 Mbps                         | 450 Mbps                    | 450 Mbps     |
| 2.4 GHz MIMO            | 2x2                       | 3x3                       | 2x2                              | 3x3                              | 3x3                         | 3x3          |
| 5 GHz Radio Rate        | 867 Mbps                  | 1300 Mbps                 | 867 Mbps                         | 867 Mbps                         | 1300 Mbps                   | 1300 Mbps    |
| 5 GHz MIMO              | 2x2                       | 3x3                       | 2x2                              | 2x2                              | 3x3                         | 3x3          |
| Secondary Ethernet Port | ✓<br>(2 Additional Ports) | ✓<br>(2 Additional Ports) |                                  |                                  | ✓                           | ✓            |
| Loudspeaker             |                           |                           |                                  |                                  |                             | ✓            |
| PoE Mode                | 802.3at PoE+              | 802.3at PoE+              | 802.3af/A PoE<br>24V Passive PoE | 802.3af/A PoE<br>24V Passive PoE | 802.3af PoE<br>802.3at PoE+ | 802.3at PoE+ |
| Ceiling Mount           |                           |                           | ✓                                | ✓                                | ✓                           | ✓            |
| Wall Mount              | ✓                         | ✓                         | ✓                                | ✓                                | ✓                           | ✓            |
| Wireless Uplink         | ✓                         | ✓                         | ✓                                | ✓                                | ✓                           | ✓            |
| DFS Certification       | ✓                         | ✓                         | ✓                                | ✓                                | ✓                           | ✓            |



## UAP-AC-IW

The UniFi AC In-Wall AP transforms an Ethernet wall connection into a dual-band 802.11AC Wi-Fi Access Point. It features two Gigabit Ethernet ports, one of which delivers PoE to power and connects an 802.3af device to the network. The UniFi AC In-Wall AP provides simultaneous, dual-band, 2x2 MIMO technology and is available in single- and five-packs<sup>1</sup>.



## UAP-AC-IW-PRO

The UniFi AC In-Wall Pro AP transforms an Ethernet wall connection into a simultaneous, dual-band 802.11AC Wi-Fi Access Point with 3x3 MIMO technology and 50% higher radio rates than the UAP-AC-IW. The UniFi AC In-Wall Pro features two Gigabit Ethernet ports, one of which delivers PoE to power and connects an 802.3af device to the network. It is available in single- and five-packs<sup>1</sup>.



## UAP-AC-LITE

Featuring an ultra-compact design, the UniFi AC Lite AP delivers a cost-effective combination of value and performance in a reduced footprint: 25% smaller than the standard UniFi AP. The UniFi AC Lite AP provides simultaneous, dual-band, 2x2 MIMO technology and is available in single- and five-packs<sup>2</sup>.



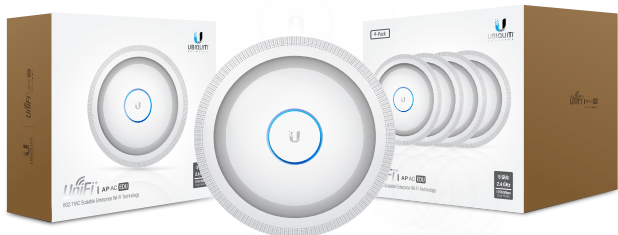
## UAP-AC-LR

Ideal for long-range deployments, the UniFi AC LR AP offers simultaneous, dual-band operation with 3x3 MIMO in the 2.4 GHz band and 2x2 MIMO in the 5 GHz band. The innovative antenna design provides a long-range, symmetrical-link coverage area, and the antenna gain of the UniFi AC LR AP performs better than one-way, high transmit power does for connecting distant clients. It is available in single- and five-packs<sup>2</sup>.



## UAP-AC-PRO

Deploy the UniFi AC Pro AP indoors or outdoors, in wireless networks requiring maximum performance. Sporting a weatherproof design, the UniFi AC Pro AP features simultaneous, dual-band, 3x3 MIMO technology and convenient 802.3af PoE/802.3at PoE+ compatibility. It is available in single- and five-packs<sup>2</sup>.



## UAP-AC-EDU

The UniFi AC EDU AP conveniently integrates Wi-Fi and public address capabilities, making it ideal for campus-wide deployment. The UniFi AC EDU AP features simultaneous, dual-band, 3x3 MIMO technology and convenient 802.3at PoE+ compatibility. It is available in single- and four-packs<sup>2</sup>.

<sup>1</sup> We recommend powering the UniFi AC In-Wall and In-Wall Pro APs with the UniFi PoE Switch, as PoE adapters are not included.

<sup>2</sup> Four- and five-packs do not ship with PoE adapters; we recommend powering the UniFi APs with the UniFi PoE Switch instead.

# UAP-AC-LR Specifications



| UAP-AC-LR                 |   |
|---------------------------|---|
| Dimensions                | 175.7 x 175.7 x 43.2 mm (6.92 x 6.92 x 1.70")                     |
| Weight                    | 240 g (8.5 oz)  |
| With Mounting Kits        | 315 g (11.1 oz)   |
| Networking Interface      | (1) 10/100/1000 Ethernet Port                                     |
| Buttons                   | Reset   |
| Power Method              | 802.3af/A PoE<br>24V Passive PoE (Pairs 4, 5+; 7, 8 Return)       |
| Power Supply              | 24V, 0.5A Gigabit PoE Adapter*                                    |
| Power Save                | Supported   |
| Maximum Power Consumption | 6.5W  |
| Maximum TX Power          |   |
| 2.4 GHz                   | 24 dBm  |
| 5 GHz                     | 22 dBm  |
| Antennas                  | (1) Dual-Band Antenna, Tri-Polarity, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi |
| Wi-Fi Standards           | 802.11 a/b/g/n/ac   |
| Wireless Security         | WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)                 |
| BSSID                     | Up to 8 per Radio   |
| Mounting                  | Wall/Ceiling (Kits Included)                                      |
| Operating Temperature     | -10 to 70° C (14 to 158° F)                                       |
| Operating Humidity        | 5 to 95% Noncondensing  |
| Certifications            | CE, FCC, IC   |

\* Only the single-pack of the UAP-AC-LR includes a PoE adapter.

| Advanced Traffic Management |   |
|-----------------------------|---|
| VLAN                        | 802.1Q                                    |
| Advanced QoS                | Per-User Rate Limiting                    |
| Guest Traffic Isolation     | Supported                                 |
| WMM                         | Voice, Video, Best Effort, and Background |
| Concurrent Clients          | 250+                                      |

| Supported Data Rates (Mbps) |   |
|-----------------------------|---|
| Standard                    | Data Rates  |
| 802.11ac                    | 6.5 Mbps to 867 Mbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80) |
| 802.11n                     | 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)           |
| 802.11a                     | 6, 9, 12, 18, 24, 36, 48, 54 Mbps                       |
| 802.11g                     | 6, 9, 12, 18, 24, 36, 48, 54 Mbps                       |
| 802.11b                     | 1, 2, 5.5, 11 Mbps                                      |