

iUAP-AC-M

802.11AC Indoor/Outdoor Wi-Fi Access Point

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Product Introduction

The gigabit dual-band indoor/outdoor access point iUAP-AC-M offers a concurrent data rate as high as 1167 Mbps. Equipped with 2 omni-directional high-gain antennas, iUAP-AC-M provides a maximum coverage radius of 200 meters. iUAP-AC-M can be installed either on the wall or around a pole. iUAP-AC-M can meet different requirements by connecting antennas of different specifications to the standard RP-SMA connectors. With the IP65 enclosure, iUAP-AC-M is designed for wireless coverage in factories, warehouses and other harsh outdoor environments.



Key Features

- Durable IP65 enclosure for outdoor Wi-Fi applications.
- MU-MIMO technology for high throughput.
- Concurrent dual-band data rate up to 1167 Mbps (2.4 GHz: 300 Mbps; 5 GHz: 867 Mbps).
- Detachable antennas and 2 RP-SMA connectors.
- Coverage radius of 200 meters.

Product Features



IP65 protection

Professional materials and design guarantee iUAP-AC-M an IP65 enclosure for harsh environments both indoors and outdoors.



IEEE 802.11ac Wave2 and MU-MIMO

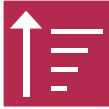
Powered by MU-MIMO technology, a single iUAP-AC-M can communicate with multiple wireless clients at the same time, letting you enjoy higher throughput and better experience.



Dual-band for more connected clients

iUAP-AC-M allows clients that support either 2.4 GHz or 5 GHz band, or both to connect to it at the same time, tripling the quantity of connected clients of traditional single-band AP.

Product Features



High-gain omni-directional antennas

Equipped with two 5 dBi high-gain omni-directional antennas, iUAP-AC-M provides a maximum coverage radius of 200 meters. iUAP-AC-M can meet different requirements by connecting antennas of different specifications to the standard RP-SMA connectors.



Built-in RF for intelligent optimization

Featuring various anti-interference algorithms, the built-in RF enables iUAP-AC-M to evenly allocate bandwidth resources for multiple users, filter interference, and optimize data rate, offering you a guaranteed signal strength and reliable wireless experience.



VLAN tagging for SSID

iUAP-AC-M allows you to set multiple SSIDs and add VLAN tags for SSIDs, thus protecting your network.



Standard PoE sourcing and DC power supply for easy deployment

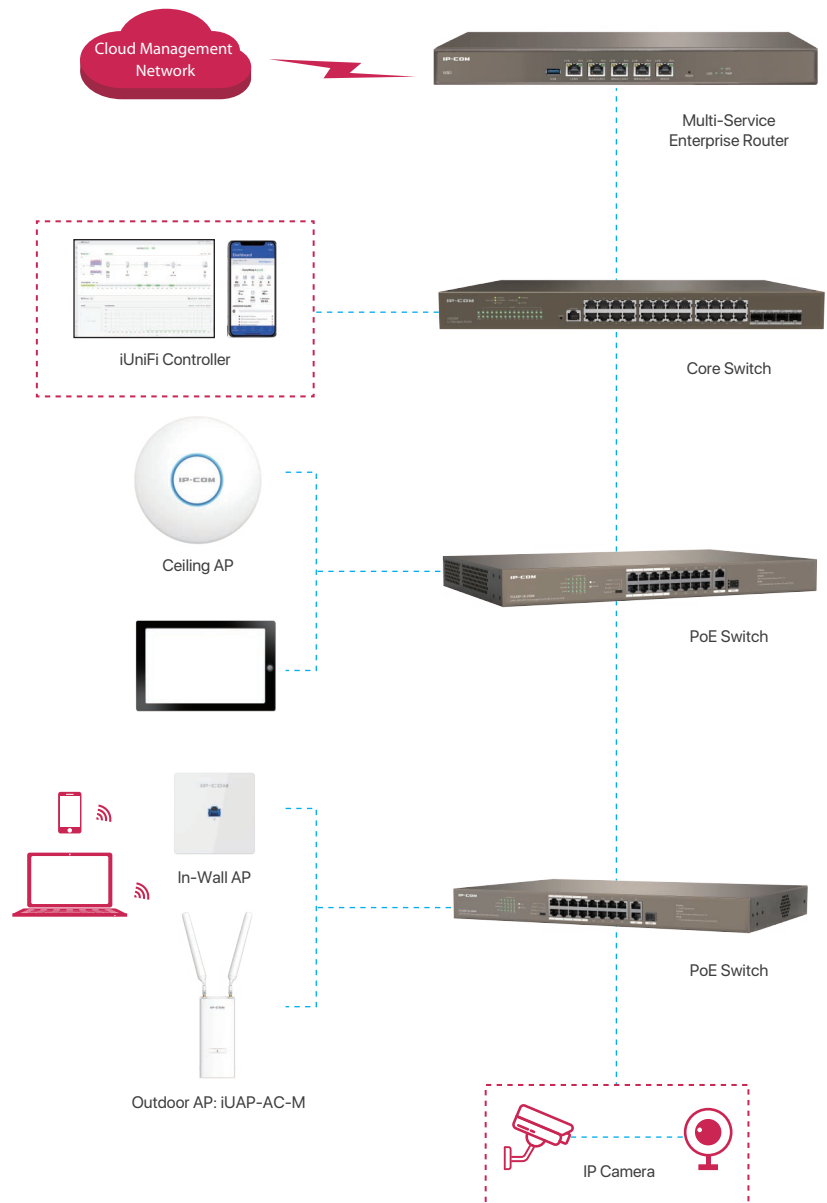
You can use an IEEE 802.3at-compliant PoE sourcing equipment, or a 24V DC power adapter to power on iUAP-AC-M.



Centralized management

The iUniFi Controller makes it easy to manage and monitor the whole iUniFi devices in a real-time manner and the cloud services enable a remote and secure access free from the restrictions of device location.

Application Scenarios



Packaging

| Product Information | |
|---------------------------------------|---|
| Model | iUAP-AC-M |
| Appearance | Pole Mounting and Wall Mounting |
| Dimensions | 194.7* 83* 42.1 mm |
| Hardware Specifications | |
| Frequency band | 2.4 GHz, 5 GHz |
| Wireless standards | IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac |
| 2.4 GHz data rate | 1 - 300 Mbps |
| 5 GHz data rate | 6 - 867 Mbps |
| Ethernet port | 1*10/100/1000 Base-TX port |
| Button | 1*Reset |
| LED indicator | 1*SYS |
| Waterproof level | IP65 |
| Lightning protection | 6000 V |
| Max. power consumption | 11.5 W (Full-load) |
| Power supply standard | IEEE 802.3af/at & 24V, 0.5A Passive PoE |
| Antenna | 2*5dBi, RP-SMA Connector |
| 2.4 GHz Max. output power | 26 +/- 1.5 dBm |
| 2.4 GHz 802.11n (MCS7) RX sensitivity | 26 +/- 1.5 dBm |
| 5 GHz Max. output power | 26 +/-1.5 dBm |
| 802.11b RX sensitivity | -93 dBm |
| 2.4 GHz 802.11n (MCS7) RX sensitivity | -72 dBm |
| 5 GHz 802.11a RX sensitivity | -93 dBm |
| 5 GHz 802.11n (MCS7) RX sensitivity | -74 dBm |
| Software Specifications | |
| Operating modes | AP, Client+AP |
| Hide SSID | Supported |
| Max. No. of SSID | 2.4 GHz: 8, 5 GHz: 4 |
| Max. connected clients | 2.4 GHz: 128, 5 GHz: 256 |
| WEP | Supported |
| WPA-PSK | AES/TKIP |

Packaging

| | |
|------------------------------|--------------------------------|
| WPA2-PSK | AES/TKIP |
| WPA | Supported |
| WPA2 | Supported |
| Access control | MAC address-based |
| Adjustable power transmit | Supported |
| Frequency analysis | Supported |
| AP isolation | Supported |
| Connected client control | Supported |
| RSSI threshold | Supported |
| WMM | Supported |
| VLAN tagging for SSID | Supported |
| Transmission power | Adjustable by 1 dBm |
| LED indicator control | Supported |
| Diagnostics tool | Ping, Traceroute |
| Scheduled reboot | Supported |
| Reboot at specified interval | Supported |
| Management | Web UI |
| System logs | Supported |
| Firmware upgrade | Local and AC upgrade |
| Reboot | Local and AC reboot |
| Reset | Local and AC reset |
| Backup configuration | Supported |
| Restore configuration | Supported |
| Operating Environment | |
| Default login IP address | 192.168.0.254 |
| Default user name | admin |
| Default password | admin |
| Operating temperature | -10°C - 45°C |
| Operating humidity | (10% - 90%) RH, non-condensing |
| Storage temperature | -30°C - 70°C |
| Storage humidity | (10% - 90%) RH, non-condensing |



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