

UniFi® 802.11AC Dual-Radio Access Points

Unlimited Indoor/Outdoor AP Scalability in a Unified Management System



Description

UniFi® is the revolutionary Wi-Fi system that combines enterprise performance, unlimited scalability, and a central management controller. UniFi 802.11AC Dual-Radio Access Points (APs) have a refined industrial design and can be easily installed using the included mounting hardware.

Easily accessible through any standard web browser and the UniFi Controller software is a powerful software engine ideal for high-density client deployments requiring low latency and high uptime performance.

Use the UniFi Controller software to quickly configure and administer an enterprise Wi-Fi network - no special training required. RF map and performance features, real-time status, automatic UAP device detection, and advanced security options are all seamlessly integrated.

The EMA00-000 features an ultra-compact design, and delivers a cost-effective combination of value and performance in a reduced footprint and simultaneous, dual-band, 2x2 MIMO technology.

The EMA00-001 is ideal for long-range deployments and 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 performs better than one-way, high transmit power does for connecting distant clients.

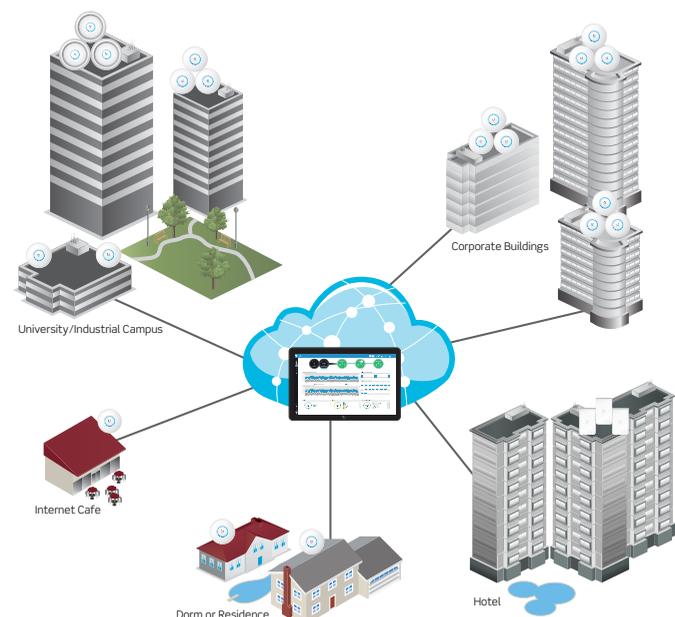
Management software provided via permanently installed Cloud Key, one required per network, software hosted on technician's computer, or through APP. Recommended to use Cloud Key anytime access points is being used or if there are 2 or more switches on the network.

Unify Security Gateway (USG) required to provide DHCP and DNS services to the network for DRC systems if not being provided by any other means.

Features

- **Save Money and Time**—comes bundled with a non-dedicated software controller that can be deployed on an on site PC, Mac, or Linux machine; in a private cloud; or using a public cloud service.
- Powerful hardware features the latest in Wi-Fi technology
- **Intuitive Software**—configure and manage APs with the easy-to-learn user interface
- **Expandable Unlimited Scalability**—build wireless networks as big or small as needed. Start with one (or upgrade to a three-pack) and expand to thousands while maintaining a single unified management system.
- Easy mounting and 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

System Example



Leviton Manufacturing Co., Inc. Lighting & Controls

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Model Comparison Chart

	EMA00-000	EMA00-001
Simultaneous Dual-Band	Yes	
2.4 GHz Radio Rate	300 Mbps	450 Mbps
2.4 GHz MIMO	2x2	3x3
5 GHz Radio Rate	867 Mbps	
5 GHz MIMO	2x2	
PoE Mode	802.3af/A PoE; 24V Passive PoE	
Wireless Uplink	Yes	
DFS Certification	Yes	

Specifications

	EMA00-000	EMA00-001
Power Method	802.3af/A PoE, 24V Passive PoE (Pairs 4, 5+; 7, 8 Return)	
Power Supply	24V, 0.5A Gigabit PoE adapter*	
Power Save	Supported	
Maximum TX Power	2.4 GHz: 20 dBm; 5 GHz: 20 dBm	2.4 GHz: 24 dBm; 5 GHz: 22 dBm
Networking Interface	(1) 10/100/1000 Ethernet Port	
Antennas	(2) Dual-band antennas, 3 dBi each	(1) Dual-band antenna, tri-polarity, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi
WiFi Standards	802.11 a/b/g/n/r/k/v/ac	
Wireless Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)	
BSSID	Up to 8 per radio	
Mounting	Wall/Ceiling	
Environment	Indoor	
Operating Temperature	14° F to 158° F (-10 to 70° C)	
Operating Humidity	5 to 95% Non-condensing	
Certification	CE, FCC, IC	

Advanced Traffic Management

VLAN	802.1Q
Advanced QoS	Per use 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 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11a and 802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps

Ordering Information

Cat. No.	Description
EMA00-000	PoE Access Point, UniFi 802.11AC Dual Band
EMA00-001	PoE Access Point, UniFi 802.11AC Dual Band, Long Range
EMC00-000	Cloud Key Controller with Integrated Application Server, White
EMV00-000	Enterprise Security Gateway Router with Gigabit Ethernet
EMV00-PR4	Enterprise Security Gateway Router Pro with Gigabit Ethernet