



UniFi HD 802.11ac Wave 2 Enterprise Wi-Fi Access Point

UAP-AC-HD-US

SKU: 71019 UPC: 810354025860

High-performance 802.11ac wave 2 access point with 4x4 MU-MIMO technology for high-density and performance-critical applications.

Build your Wi-Fi network with the UniFi HD Access Point, part of the Ubiquiti UniFi Enterprise Wi-Fi System. The UAP-AC-HD, is an indoor/outdoor, high-performance, 802.11AC Wave 2 dual-band access point, capable of throughput speeds of up to 2533 Mbps and a maximum range of up to 122 meters. Engineered from the ground up to take advantage of 802.11AC Wave 2, the UAP-AC-HD provides unparalleled multi-user support.

Feature

- Radio Hardware Acceleration: Independent 2.4GHz and 5GHz dedicated hardware offload for maximized multi-user throughput and reduced latency
- CPU Hardware Acceleration: Dedicated hardware offload for QoS, Guest Control, and Client Management
- Optimized for MU-MIMO: Genetically optimized antenna arrays for maximal utilization of 802.11ac Wave 2 MU-MIMO Beam Forming
- Beam Forming: Data is sent and received using multiple antennas to increase throughput and range

UAP-AC-HD

Dimensions	220 x 220 x 48.1 mm
Weight with Mounting Kits	700 g (24.7 oz) 830 g (29.3 oz)
Networking Interface	(2) 10/100/1000 Ethernet Ports
Ports	(2) Ethernet RJ45, (1) USB Type C
Buttons	Reset
Antennas	(2) 2.4G internal single band antennas, dual polarity (2) 5G internal single band antennas, dual polarity
Wi-Fi Standards	802.11a/b/g/n/ac/ac-wave2
Power Method	PoE 802.3at
Power Supply	PoE Injector 48VDC -0.5A Gigabit
Maximum Power Consumption	17W
Max TX Power	25 dBm
BSSID	4 Per Radio
Power Save	Supported
Wireless Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)
Certifications	CE, FCC, IC
Mounting	Wall/Ceiling (Kits Included)
Operating Temperature	-10 to 70° C (14 to 158° F)
Operating Humidity	5 to 95% Noncondensing

Advanced Traffic Management

VLAN	802.1Q
Advanced QoS	Per-User Rate Limiting

Guest Traffic Isolation	Supported
WMM	Supported
Concurrent Clients	500+
Supported Data Rates (Mbps)	
802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n	6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)
802.11ac	6.5 Mbps to 1.7Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps