

UniFi® | AP



UniFi 6 Mesh

U6-Mesh is a dual-band Wi-Fi 6 access point designed for indoor or outdoor installation. Its small, sleek design allows placement near users for optimal performance; place it on a desktop or mount it on a pole, wall, or ceiling*. U6-Mesh delivers up to 2.7 Gbps aggregate radio rate with 5 GHz (MU-MIMO and OFDMA) and 2.4 GHz (MIMO) radios, and it is compatible with FlexHD mounting accessories.

* Ceiling mount sold separately.



Mechanical

Dimensions \varnothing 48.5 x 159.5 mm (\varnothing 1.9 x 6.3")

Weight
Without Mount: 350 g (12.4 oz)
With Wall Mount: 357 g (12.6 oz)
With Pole Mount: 370 g (13.1 oz)

Enclosure Materials Aluminum, Polycarbonate

Mount Materials
Wall Mount: Polycarbonate
Pole Mount: Polycarbonate

Weatherproofing IP65

Hardware

Processor Specs 880 MHz MIPS 1004 KEc

Memory Information 256 MB DDR3 SDRAM

Management Interface Ethernet In-Band

Networking Interface (1) 10/100/1000 Mbps Ethernet RJ45

Buttons Reset

LEDs RGB

Power Method 802.3af PoE, Passive PoE (48V)

Power Supply 802.3af PoE; 48V, 0.32A PoE Adapter

Supported Voltage Range 44 to 57VDC

Max. Power Consumption 15W

Max. TX Power	2.4 GHz	23 dBm
	5 GHz	26 dBm



MIMO	2.4 GHz	2 x 2
	5 GHz	4 x 4
Throughput Speeds	2.4 GHz	300 Mbps
	5 GHz	2402 Mbps
Antenna Gain	2.4 GHz	3 dBi
	5 GHz	6 dBi
Mounting	Wall/Pole (Kits Included) Ceiling (Sold Separately)	
Operating Temperature	-10 to 60° C (14 to 140° F)	
Operating Humidity	5 - 95% Noncondensing	
Certifications	CE, FCC, IC	

Software

Wi-Fi Standards	802.11a/b/g Wi-Fi 4/Wi-Fi 5/Wi-Fi 6
Wireless Security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
BSSID	8 per Radio
VLAN	802.1Q
Advanced QoS	Per-User Rate Limiting
Guest Traffic Isolation	Supported
Concurrent Clients	300+

Supported Data Rates (Mbps)

802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n (Wi-Fi 4)	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11ac (Wi-Fi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (Wi-Fi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)

