



Wireless Dual-Band Wi-Fi 6 Mesh Outdoor Access Point

U6-MESH-US

SKU: 146228 UPC: 0810010077615

Quickly expand your business's wireless network coverage with the U6-Mesh-US Wireless Dual-Band Wi-Fi 6 Mesh Outdoor Access Point from Ubiquiti Networks. Designed for outdoor installations, this 802.11ax access point is IPX5 rated for weather resistance and can withstand temperatures between -22° and 140°F. With support for the 160 MHz channel, customers, employees, and clients can transfer up to 4.8 Gb/s over the 5 GHz band and 574 Mb/s through the 2.4 GHz frequency with compatible devices.

This access point is designed to handle over 300 concurrent users with up to 1500 ft² coverage. Use the included PoE adapter to power the access point through its Gigabit Ethernet uplink port. Wall and pole mounting kits are included for flexible positioning. The U6-Mesh-US Wireless Dual-Band Wi-Fi 6 Mesh Outdoor Access Point may be managed with the UniFi Network application v6.3.51 and later.

Features

- Wi-Fi 6 (802.11ax)
- Up to 5374 Mb/s Throughput
- 2.4 GHz / 5 GHz (Dual-Band)
- 1 x Gigabit Ethernet PoE Port
- Includes PoE Adapter
- IPX5 Rated
- Wall & Pole Mounting Kits Included
- Up to 1500 ft² Coverage
- Supports UniFi Network Application

Dimensions	Ø48.5 x 159.5 mm (Ø1.9 x 6.3")
Weight	400 g (14.1 oz)
Enclosure material	Polycarbonate, aluminum
Mount material	Polycarbonate
Weatherproofing	IPX5

Hardware

Networking interface	(1) GbE RJ45 port
Management interface	Ethernet Bluetooth
Power method	PoE
Power supply	UniFi PoE switch 48V, 0.32A PoE adapter (Included)
Supported voltage range	44—57V DC
Max. power consumption	11.4W
Max. TX power	
2.4 GHz	22 dBm
5 GHz	26 dBm
6 GHz	—

MIMO	
2.4 GHz	2 x 2 (UL MU-MIMO)
5 GHz	4 x 4 (DL/UL MU-MIMO)
6 GHz	–
Throughput rate	
2.4 GHz	573.5 Mbps
5 GHz	4.8 Gbps
6 GHz	–
Antenna gain	
2.4 GHz	3 dBi
5 GHz	5 dBi
6 GHz	–
LEDs	White/blue
Button	Factory reset
Mounting	Wall, desktop, pole (Included) Ceiling (Optional)
Ambient operating temperature	-30 to 60° C (-22 to 140° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	CE, FCC, IC

Software

WiFi standards	802.11a/b/g/n/ac/ax
Wireless security	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+
Zero wait DFS	Yes* *Supported with upcoming firmware versions

Supported Data Rates

802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n (WiFi 4)	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (WiFi 6)	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)