



UniFi Network
U6 Mesh Pro Datasheet



Mechanical

Dimensions	343.2 x 181.2 x 60.2 mm (13.5 x 7.1 x 2.4")
Weight	819 g (1.8 lb)
Enclosure material	UV-stabilized polycarbonate
Mount material	Aluminum alloy, steel
Pole mount diameter	1~2.5" on pipe outer diameter
Weatherproofing	IPX6

Hardware

Networking interface	(2) GbE RJ45 ports
Management interface	Ethernet WiFi
Power method	PoE
Power supply	UniFi PoE switch 48V, 0.5A PoE adapter (Included)
Supported voltage range	42.5–57V DC
Max. power consumption	9W
Max. TX power	
2.4 GHz	22 dBm
5 GHz	27 dBm
6 GHz	-
MIMO	
2.4 GHz	2 x 2 (DL/UL MU MIMO)
5 GHz	2 x 2 (DL/UL MU-MIMO)
6 GHz	-
Max. data rate	
2.4 GHz	573.5 Mbps (BW40)

5 GHz	2.4 Gbps (BW160)
6 GHz	-
Antenna gain	
2.4 GHz	8 dBi
5 GHz	8 dBi
6 GHz	-
LEDs	White/blue
Button	Factory reset
Mounting	Wall, pole (Included)
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 (WiFi 6)
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	250+

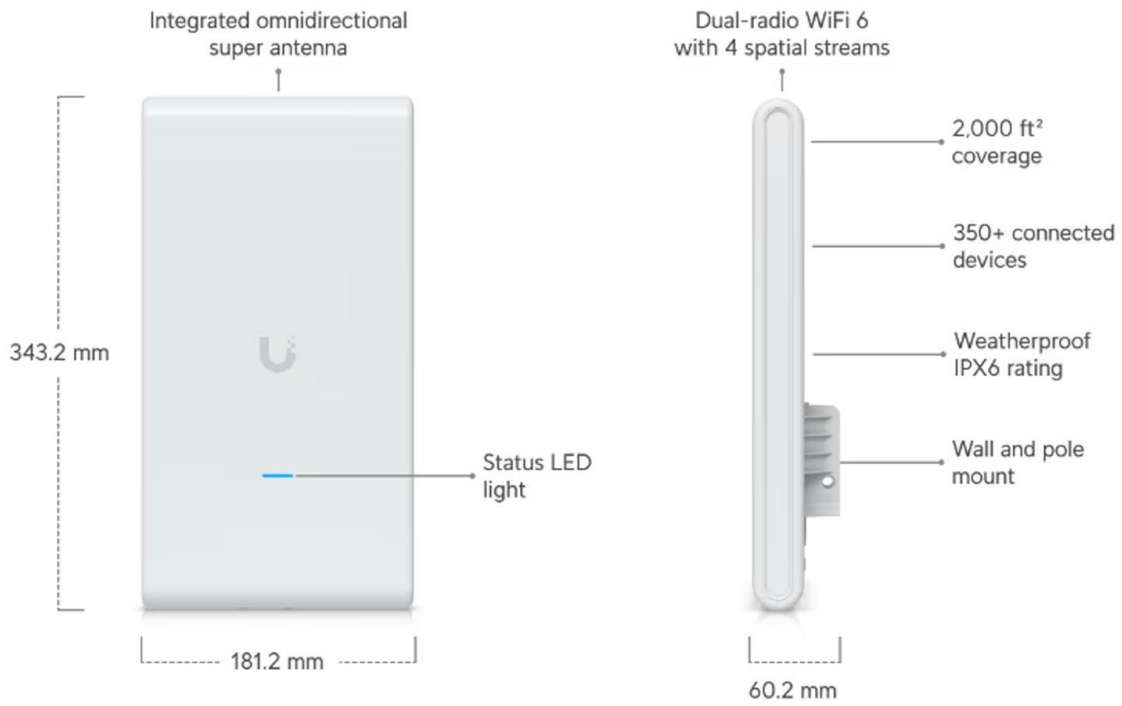
Supported Data Rates

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	6.5 Mbps to 300 Mbps (MCS0 - MCS15 , HT 20/40)
802.11ac	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)

Application Requirements

UniFi Network	Version 8.1.127 and later
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*48V DC, 0.5A GbE PoE adapter included.

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