



U6 Mesh Spec Sheet | U6-Mesh

Sleek, indoor/outdoor WiFi 6 AP with 6 spatial streams designed for mesh applications.

- WiFi 6
- 6 spatial streams
- 140 m² (1,500 ft²) coverage
- 300+ connected devices
- Powered using PoE
- GbE uplink
- Versatile tabletop, wall, and pole mounting
- Weatherproof (outdoor exposed)

Mechanical

Dimensions	Ø48.5 x 159.5 mm
Weight	400 g
Enclosure material	Polycarbonate, aluminium
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	13W
Max. TX power	
2.4 GHz	22 dBm
5 GHz	26 dBm
6 GHz	-

MIMO**2.4 GHz** 2 x 2**5 GHz** 4 x 4**6 GHz** -**Max. data 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**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** 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	6.5 Mbps to 600 Mbps
802.11ac	6.5 Mbps to 3.4 Gbps
802.11ax (WiFi 6)	7.3 Mbps to 4.8 Gbps

Application Requirements

UniFi Network	Version 6.2.51 and later
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