

Access Point WiFi 6 Mesh



Indoor/outdoor, 4x4 WiFi 6 access point designed for mesh applications.

The Access Point WiFi 6 Mesh (U6 Mesh) is a high-performance, four-stream WiFi 6 access point that provides best-in-class signal meshing to enhance the wireless coverage of home and enterprise networks. The U6 Mesh can reach an aggregate throughput rate up to 5.3 Gbps with its 5 GHz (4x4 MU-MIMO and OFDMA) and 2.4 GHz (2x2 MIMO) bands. This access point also operates at full 4x4 MIMO with 160 MHz channels to create high-capacity wireless uplinks and facilitate faster data transfer. The sleek U6 Mesh is discreet enough to stage anywhere in your home or office, but also rugged enough to reliably operate outdoors thanks to its IPX5-rated, waterproof housing. The U6 Mesh is a plug-and-play device designed to easily extend your wireless signal to ensure full, seamless coverage and high-quality WiFi connectivity. It can be set up in minutes and fully managed with the UniFi Network web application or mobile app.

Mechanical

Dimensions	Ø48.5 x 159.5 mm (Ø1.91 x 6.28")
Weight	400 g (0.88 lb)
Enclosure materials	Plastic, aluminum
Mount material	Plastic
Weatherproofing	IPX5

Hardware

Management interfaces	Ethernet Bluetooth				
Networking interface	(1) GbE RJ45 port				
Button	Factory reset				
LED*	White/blue <small>*Due to chip supply shortages, the U6 AP's LED has been limited to only white and blue color modes.</small>				
Power method	802.3af PoE				
Power supply	UniFi PoE switch 48V, 0.32A PoE adapter (included)				
Supported voltage range	44 to 57VDC				
Max. power consumption	11.4W				
Max. TX power	<table><tr><td>2.4 GHz</td><td>22 dBm</td></tr><tr><td>5 GHz</td><td>26 dBm</td></tr></table>	2.4 GHz	22 dBm	5 GHz	26 dBm
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MIMO	<table><tr><td>2.4 GHz</td><td>2 x 2 (UL MU-MIMO)</td></tr><tr><td>5 GHz</td><td>4 x 4 (DL/UL MU-MIMO)</td></tr></table>	2.4 GHz	2 x 2 (UL MU-MIMO)	5 GHz	4 x 4 (DL/UL MU-MIMO)
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Throughput rate	<table><tr><td>2.4 GHz</td><td>573.5 Mbps</td></tr><tr><td>5 GHz</td><td>4.8 Gbps</td></tr></table>	2.4 GHz	573.5 Mbps	5 GHz	4.8 Gbps
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Antenna gain	<table><tr><td>2.4 GHz</td><td>3 dBi</td></tr><tr><td>5 GHz</td><td>5 dBi</td></tr></table>	2.4 GHz	3 dBi	5 GHz	5 dBi
2.4 GHz	3 dBi				
5 GHz	5 dBi				
Mounting	Wall, desktop, pole mount (included) Ceiling mount (optional)				
Operating temperature	-30 to 60° C (-22 to 140° F)				
Operating humidity	5 - 95% noncondensing				
Certifications	CE, FCC, IC				



Software

WiFi standards	802.11a/b/g WiFi 4/WiFi 5/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* <small>*Supported with upcoming firmware versions</small>

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)



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at www.ui.com/support/warranty

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