

Access Point U6 Mesh



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 U6AP's LED has been limited to only white and blue color modes.</small>				
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	<table border="1"> <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 border="1"> <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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Antenna gain	<table border="1"> <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 to 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)

