UniFi Cloud Gateways   WiFi   Switching   Cloud Keys & Gateways   Camera Security   Door Access   Phone System   New Integrations   Accessories
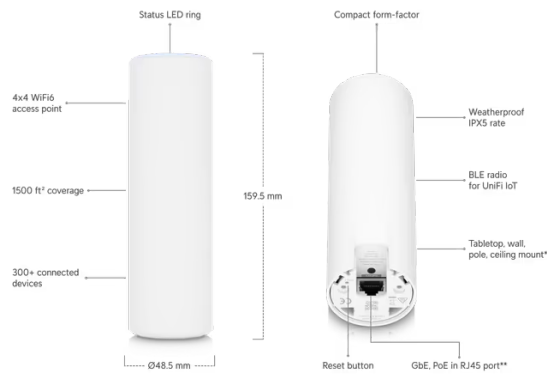
WiFi > U6 Mesh

Datasheet	Installation Guide	Marketing Images

Status LED ring · Compact form-factor · 4x4 WiFi6 access point · 1500 ft² coverage · 300+ connected devices · 159.5 mm · Ø48.5 mm · Weatherproof IPX5 rate · BLE radio for UniFi IoT · Tabletop, wall, pole, ceiling mount* · Reset button · GbE, PoE in RJ45 port**

*Wall, desktop, pole mount included, ceiling mount optional.
**48V DC, 0.32A GbE PoE adapter included.

Mechanical

Dimensions	Ø48.5 x 159.5 mm (Ø1.9 x 6.28")
Weight	400 g (0.88 lb)
Enclosure material	Plastic, aluminum
Mount materials	Plastic
Weatherproofing	IPX5

Hardware

Networking interface	(1) GbE RJ45 port
Management interfaces	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 5 GHz	 22 dBm 26 dBm
MIMO 2.4 GHz 5 GHz	 2 x 2 (UL MU-MIMO) 4 x 4 (DL/UL MU-MIMO)
Throughput rate 2.4 GHz 5 GHz	 573.5 Mbps 4.8 Gbps
Antenna gain 2.4 GHz 5 GHz	 3 dBi 5 dBi

LEDs	White/blue
Button	Factory reset
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

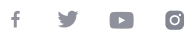|	
WiFi standards	802.11a/b/g
	WiFi 4/WiFi 5/WiFi 6
Wireless security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
BSSID	8 per radio
VLAN	802.1Q
Advanced QoS	Per-user rate limiting
Guest traffic isolation	Supported
Concurrent clients	300+
Zero wait DFS	Yes*
	*Supported with upcoming firmware versions

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)

Application Requirements

UniFi Network	Version 6.2.51 and later

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