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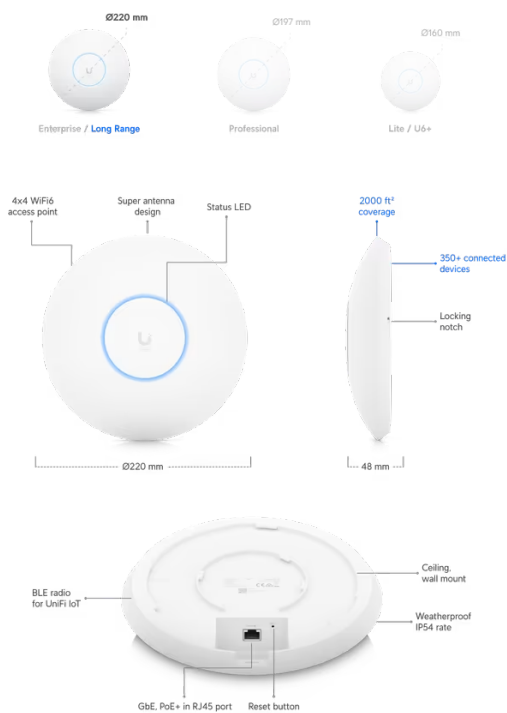
WiFi > U6 Long-Range

Datasheet	Installation Guide	Marketing Images

Mechanical

Dimensions	Ø220 x 48 mm (Ø8.66 x 1.89")
Weight	Without mount: 800 g (1.76 lb) With mount: 930 g (2.05 lb)
Enclosure material	Polycarbonate
Mount material	Stainless steel (SUS304)
Weatherproofing	IP54

Hardware

Networking interface	(1) GbE RJ45 port
Management interface	Ethernet Bluetooth
Power method	PoE+, passive PoE (48V)
Power supply	UniFi PoE switch 48V, 0.5A PoE adapter (Not included)
Supported voltage range	44—57V DC
Max. power consumption	18.5W
Max. TX power **2.4 GHz**	26 dBm

5 GHz	26 dBm

MIMO
2.4 GHz	4 x 4
5 GHz	4 x 4

Throughput rate
2.4 GHz	600 Mbps
5 GHz	2400 Mbps

Antenna gain
2.4 GHz	4 dBi
5 GHz	5.5 dBi

LEDs	White/blue
Button	Factory reset
Mounting	Wall/ceiling (Included)
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	350+

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 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)

Application Requirements

UniFi Network	Version 6.0.34 and later

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