U6 Long-Range Spec Sheet | U6-LR

Ceiling-mounted WiFi 6 AP with 8 spatial streams and extended signal range.

- WiFi 6
- 8 spatial streams
- 185 m² (2,000 ft²) coverage
- 350+ connected devices
- Powered using PoE+
- GbE uplink

Mechanical

Dimensions	Ø220 x 48 mm
Weight	Without mount: 800 g
	With mount: 930 g
Enclosure material	Polycarbonate
Mount material	Stainless steel
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
6 GHz	-

MIMO	
2.4 GHz	4 x 4
5 GHz	4 x 4
6 GHz	-
Max. data rate	
2.4 GHz	600 Mbps
5 GHz	2.4 Gbps
6 GHz	-
Antenna gain	
2.4 GHz	4 dBi
5 GHz	5.5 dBi
6 GHz	-
LEDs	White/blue
Button	Factory reset
Mounting	Wall, ceiling (Included)
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	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	6.5 Mbps to 600 Mbps

802.11ac	6.5 Mbps to 1.7 Gbps
	6.5 Mbps to 1.7 Gbps
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps
	7.3 Mbps to 2.4 Gbps

Application Requirements

UniFi Network	Version 6.0.34 and later