

UniFi 6 Long-Range Access Point



U6-LR is a High-Performance Access Point leveraging advanced WiFi 6 technology to provide powerful wireless coverage to enterprise environments.

It delivers an aggregate radio rate of up to 3.0 Gbps with 5 GHz WiFi 6 (4x4 MU-MIMO and OFDMA) and 2.4 GHz 4x4 MIMO radios. The U6-LR seamlessly blends into any environment, and is capable of being mounted in indoor and semi-outdoor environments (IP54 rated), and comes equipped with a Bluetooth Low Energy Radio for location based services.

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	Plastic
Mounting Material	SGCC Steel
Weatherproofing	IP54

Hardware

Processor Specs	Dual-Core® Cortex® A53 at 1.35 GHz	
Memory Information	512 MB	
Management Interface	Ethernet	
Networking Interface	(1) 1 Gbps Ethernet RJ45	
Button	Factory Reset	
LED	RGB	
Power Method	PoE+, Passive PoE (48V)	
Power Supply	UniFi PoE Switch 48V, 0.5A PoE Adapter (Not Included)	
Supported Voltage Range	44 to 57VDC	
Max. Power Consumption	16.5W	
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 Speeds	2.4 GHz	600 Mbps
	5 GHz	2400 Mbps
Antenna Gain	2.4 GHz	4 dBi
	5 GHz	5.5 dBi
Mounting	Wall/Ceiling (Kits Included)	
Operating Temperature	-30 to 60° C (-22 to 140° F)	
Operating Humidity	5 - 95% Noncondensing	
Certifications	CE, FCC, IC	

Software

Wi-Fi Standards	802.11a/b/g Wi-Fi 4/Wi-Fi 5/Wi-Fi 6
Wireless Security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3*) <small>*Supported With Upcoming Controller Versions</small>
BSSID	8 per Radio
VLAN	802.1Q
Advanced QoS	Per-User Rate Limiting
Guest Traffic Isolation	Supported
Concurrent Clients	300+

Supported Data Rates (Mbps)

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 (Wi-Fi 4)	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (Wi-Fi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (Wi-Fi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)



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