

UniFi6 Long-Range



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
Mount material	SGCC Steel
Weatherproofing	IP54

Hardware

Management interfaces	Ethernet Bluetooth				
Networking interface	(1) GbE RJ45 port				
Button	Factory reset				
LED*	White/Blue <small>*Due to chip supply shortages, the U6LR's LED has been limited to only white and blue color modes.</small>				
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	<table border="1"> <tr> <td>2.4 GHz</td> <td>26 dBm</td> </tr> <tr> <td>5 GHz</td> <td>26 dBm</td> </tr> </table>	2.4 GHz	26 dBm	5 GHz	26 dBm
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MIMO	<table border="1"> <tr> <td>2.4 GHz</td> <td>4 x 4</td> </tr> <tr> <td>5 GHz</td> <td>4 x 4</td> </tr> </table>	2.4 GHz	4 x 4	5 GHz	4 x 4
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Throughput rate	<table border="1"> <tr> <td>2.4 GHz</td> <td>600 Mbps</td> </tr> <tr> <td>5 GHz</td> <td>2400 Mbps</td> </tr> </table>	2.4 GHz	600 Mbps	5 GHz	2400 Mbps
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Antenna gain	<table border="1"> <tr> <td>2.4 GHz</td> <td>4 dBi</td> </tr> <tr> <td>5 GHz</td> <td>5.5 dBi</td> </tr> </table>	2.4 GHz	4 dBi	5 GHz	5.5 dBi
2.4 GHz	4 dBi				
5 GHz	5.5 dBi				
Mounting	Wall/ceiling (included)				
Operating temperature	-30 to 60° C (-22 to 140° F)				
Operating humidity	5 - 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+

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)

