UniFi 6 Long-Range

Datasheet
U6-LR

UniFi6 Long-Range



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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 *Due to chip supply shortages, the U6 LR's LED has been limited to only white and blue color modes.
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 rate	2.4 GHz: 600 Mbps 5 GHz: 2400 Mbps
Antenna gain	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)

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