

U6-LR Long-Range

Access Point UBIQUITI UNIFI 6 AP LONG RANGE U6-LR

antenna operation scheme-4 × 4 MIMO;
 transmitter power — 26 dBm;
 Antenna gain is 5.5 dBi in the 5 GHz band and 4 dBi in the 2.4 GHz band;
 The maximum bandwidth is 2400 Mbit / s in the 5 GHz band and 600 Mbit / s in the 2.4 GHz band.;
 stable signal coverage area — 185 m2;
 the number of simultaneously connected subscribers is 350 or more.
 supported standards-802.11 a/b/g/n / ac/ax;
 supported security protocols-WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3);
 the maximum number of SSIDs is 8 per band.



Detailed

Model	U6-LR
Size	Ø220 x 48 mm
Weight	Without bracket: 800g With bracket Weight: 930g
Housing material	Plastic
Mounting material	SGCC Steel
Weatherproofing	IP54
Processor	Dual-core Cortex® A53, 1.35 GHz
Random access memory	512 MB
Management interface	Ethernet
Network interface	1 1 Gbps RJ45 port
Button	Factory Reset
LED	RGB
Food	PoE+, Passive PoE (48V)
Power supply	UniFi PoE Switch 48V, 0.5 A PoE injector (supplied separately)

Input voltage range	44 — 57B DC
Maximum power consumption	16.5 W
Maximum transmission power	2.4 GHz - 20 dBm 5 GHz — 20 dBm
MIMO	2.4 GHz - 4 x 4 5 GHz — 4 x 4
Speed	2.4 GHz - up to 600 Mbps 5 GHz — up to 2400 Mbps
Antenna gain	2.4 GHz - 4 dBi 5 GHz — 5.5 dBi
Mounting	On the ceiling or wall
Operating humidity	5 to 95% non-condensing
Certification process	CE, FCC, IC
Wi-Fi Standards	802.11a/b/g Wi-Fi 4/Wi-Fi 5/Wi-Fi 6
Safety	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3*) * available in a future update
BSSID	8
VLAN	802.1Q
Extended QoS	Speed limit for each user
Isolating guest traffic	Yes
Number of clients	>350
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-600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (Wi-Fi 5)	6.5 Mbps - 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (Wi-Fi 6)	7.3 Mbps-2.4 Gbps (MCS0-MCS11 NSS1/2/3/4, HE 20/40/80/160)