

UniFi® 6 Lite

Datasheet  
U6-Lite

UniFi® Network



# Access Point WiFi 6 Lite

Compact, dual-band WiFi 6 access point with 2x2 MIMO and OFDMA functionality.

The Access Point WiFi 6 Lite (U6 Lite) is a 2x2 WiFi 6 access point that can reach an aggregate throughput rate up to 1.5 Gbps with its 5 GHz (MU-MIMO and OFDMA) and 2.4 GHz (MIMO) bands. The U6 Lite can either be ceiling-mounted to broaden signal coverage and support device-dense networks, or it can be mounted to a wall to extend its signal in a specific direction. The compact U6 Lite also sports the same form factor as the Access Point nanoHD (UAP nanoHD) so you can repurpose its covers and recessed mounting bracket if you already own them. The U6 Lite simplifies the process of bringing WiFi 6 to your home or office. It can be set up in minutes and fully managed with the UniFi Network web application or mobile app.



## Mechanical

Dimensions	Ø160 x 32.65 mm (Ø6.3 x 1.3")
Weight	Without mount: 300 g (10.6 oz) With mount: 315 g (11.1 oz)
Enclosure materials	Polycarbonate, aluminum
Mounting materials	Polycarbonate, SGCC steel

## Hardware

Management interfaces	Ethernet Bluetooth				
Networking interface	(1) GbE RJ45 port				
Button	Factory reset				
LEDs	White/blue				
Power method	802.3af PoE, passive PoE (48V)				
Power supply	802.3af PoE 48V, 0.32A PoE adapter (optional)				
Supported voltage range	44 to 57VDC				
Max. power consumption	12W				
Max. TX power	<table><tr><td>2.4 GHz</td><td>23 dBm</td></tr><tr><td>5 GHz</td><td>17 dBm</td></tr></table>	2.4 GHz	23 dBm	5 GHz	17 dBm
2.4 GHz	23 dBm				
5 GHz	17 dBm				
MIMO	<table><tr><td>2.4 GHz</td><td>2 x 2</td></tr><tr><td>5 GHz</td><td>2 x 2</td></tr></table>	2.4 GHz	2 x 2	5 GHz	2 x 2
2.4 GHz	2 x 2				
5 GHz	2 x 2				
Throughput rate	<table><tr><td>2.4 GHz</td><td>300 Mbps</td></tr><tr><td>5 GHz</td><td>1201 Mbps</td></tr></table>	2.4 GHz	300 Mbps	5 GHz	1201 Mbps
2.4 GHz	300 Mbps				
5 GHz	1201 Mbps				
Antenna gain	<table><tr><td>2.4 GHz</td><td>2.8 dBi</td></tr><tr><td>5 GHz</td><td>3 dBi</td></tr></table>	2.4 GHz	2.8 dBi	5 GHz	3 dBi
2.4 GHz	2.8 dBi				
5 GHz	3 dBi				
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 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 866.7 Mbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80)
802.11ax (WiFi 6)	7.3 Mbps to 1.2 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80)

