

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) |



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at www.ui.com/support/warranty

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