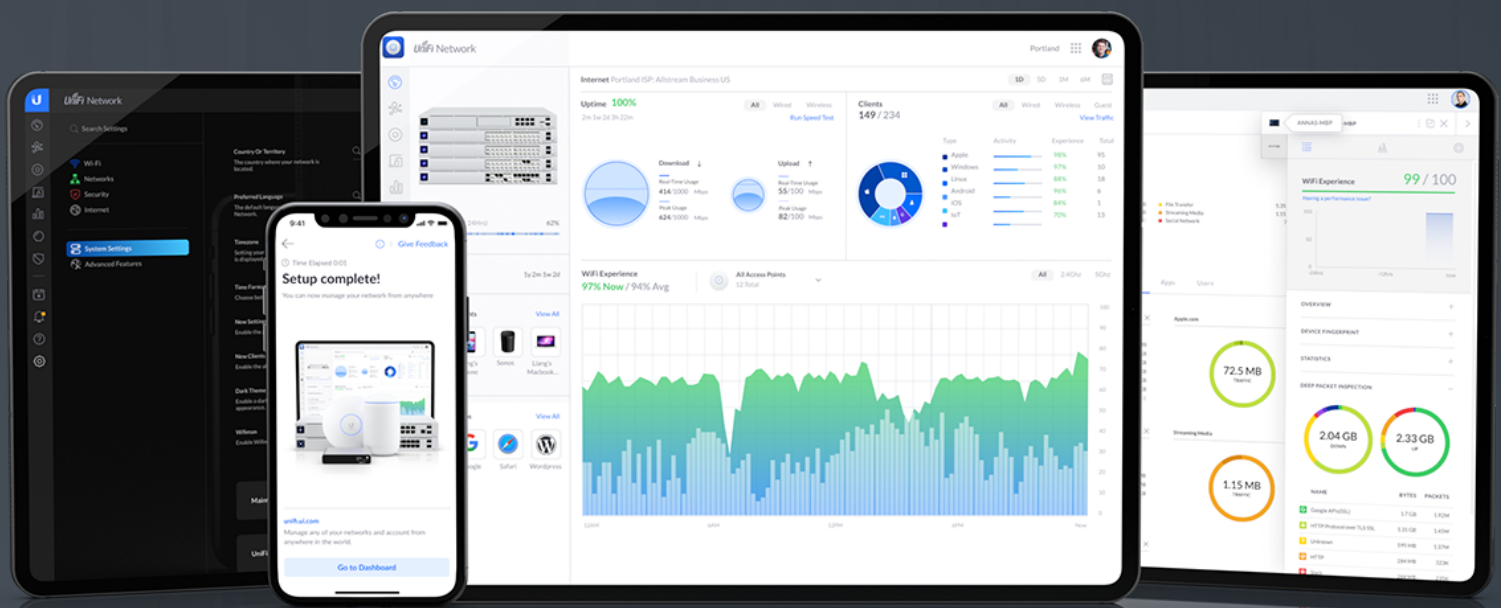
# UniFi® 6 Long-Range

Datasheet
U6-LR

UniFi® Network



# UniFi 6 Long-Range Access Point

U6-LR is a High-Performance Access Point leveraging advanced WiFi 6 technology to provide powerful wireless coverage to enterprise environments.
It delivers an aggregate radio rate of up to 3.0 Gbps with 5 GHz WiFi 6 (4x4 MU-MIMO and OFDMA) and 2.4 GHz 4x4 MIMO radios. The U6-LR seamlessly blends into any environment, and is capable of being mounted in indoor and semi-outdoor environments (IP54 rated), and comes equipped with a Bluetooth Low Energy Radio for location based services.

## Mechanical

| | |
|---|---|
| Dimensions | Ø220 x 48 mm (Ø8.66 x 1.89") |
| Weight | Without Mount: 800 g (1.76 lb)<br>With Mount: 930 g (2.05 lb) |
| Enclosure Material | Plastic |
| Mounting Material | SGCC Steel |
| Weatherproofing | IP54 |

## Hardware

| | |
|---|---|
| Processor Specs | Dual-Core® Cortex® A53 at 1.35 GHz |
| Memory Information | 512 MB |
| Management Interface | Ethernet |
| Networking Interface | (1) 1 Gbps Ethernet RJ45 |
| Button | Factory Reset |
| LED | RGB |
| Power Method | PoE+, Passive PoE (48V) |
| Power Supply | UniFi PoE Switch<br>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<br>5 GHz: 26 dBm |
| MIMO | 2.4 GHz: 4 x 4<br>5 GHz: 4 x 4 |
| Throughput Speeds | 2.4 GHz: 600 Mbps<br>5 GHz: 2400 Mbps |
| Antenna Gain | 2.4 GHz: 4 dBi<br>5 GHz: 5.5 dBi |
| Mounting | Wall/Ceiling (Kits Included) |
| Operating Temperature | -30 to 60° C (-22 to 140° F) |
| Operating Humidity | 5 - 95% Noncondensing |
| Certifications | CE, FCC, IC |

## Software

| | |
|---|---|
| Wi-Fi Standards | 802.11a/b/g<br>Wi-Fi 4/Wi-Fi 5/Wi-Fi 6 |
| Wireless Security | WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3*)<br>*Supported With Upcoming Controller Versions |
| BSSID | 8 per Radio |
| VLAN | 802.1Q |
| Advanced QoS | Per-User Rate Limiting |
| Guest Traffic Isolation | Supported |
| Concurrent Clients | 300+ |

## Supported Data Rates (Mbps)

| | |
|---|---|
| 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 to 600 Mbps (MCS0 - MCS31, HT 20/40) |
| 802.11ac (Wi-Fi 5) | 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160) |
| 802.11ax (Wi-Fi 6) | 7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160) |

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

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