

UniFi® Network



Access Point WiFi 6 Extender

Easy-to-deploy WiFi 6 coverage extender with a 5.3+ Gbps aggregate throughput rate.

The Access Point WiFi 6 Extender (U6 Extender) is a portable, plug-and-play WiFi 6 access point that can easily and instantly broaden your home or office's wireless coverage. With its dual-band design and 5.3+ Gbps aggregate throughput rate, the U6 Extender delivers the strong, reliable connectivity needed to support even the most device-dense networks. Deploying this access point is as simple as plugging it in, and its compact frame allows you to strengthen your signal without cluttering your space or disrupting its aesthetic. The U6 Extender can be adopted to your network in a matter of minutes and centrally managed with either the UniFi Network web application or mobile app.



Mechanical

Dimensions 169.7 x 112.2 x 77.6 mm (6.68 x 4.42 x 3.05")

Weight 340 g (12 oz)

Enclosure material Plastic

Hardware

Management interface Bluetooth

Button Factory reset

LED* White/blue
*Due to chip supply shortages, the U6AP's LED has been limited to only white and blue color modes.

Power method Universal AC input, 100-240VAC, 0.3A max., 50/60 Hz

Supported voltage range 110 to 240VAC

Max. power consumption 11W

| | | |
|---------------|---------|--------|
| Max. TX power | 2.4 GHz | 22 dBm |
| | 5 GHz | 26 dBm |

| | | |
|------|---------|-----------------------|
| MIMO | 2.4 GHz | 2 x 2 (UL MU-MIMO) |
| | 5 GHz | 4 x 4 (DL/UL MU-MIMO) |

| | | |
|-----------------|---------|------------|
| Throughput rate | 2.4 GHz | 573.5 Mbps |
| | 5 GHz | 4.8 Gbps |

| | | |
|--------------|---------|-------|
| Antenna gain | 2.4 GHz | 5 dBi |
| | 5 GHz | 6 dBi |

Operating temperature -10 to 50° C (14 to 122° F)

Operating humidity 5 to 95% noncondensing

Certification CE

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+ |
| Zero wait DFS | Yes |

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 3.4Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160) |
| 802.11ax (WiFi 6) | 7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160) |



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