

## UniFi - U7 Outdoor AP

SKU: UB-UAP-U7-OUT



The Ubiquiti U7 Outdoor is a weatherproof Wi-Fi 7 Access Point featuring 4 spatial streams, an integrated directional super antenna, and versatile mounting options.

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### Mechanical

|                     |                                             |
|---------------------|---------------------------------------------|
| Dimensions          | 170 x 208 x 54.5 mm (6.7 x 8.2 x 2.1")      |
| Weight              | 1.2 kg (2.6 lb)                             |
| Enclosure material  | UV-stabilized polycarbonate, aluminum alloy |
| Mount material      | Polycarbonate, SGCC steel                   |
| Pole mount diameter | 25–60 mm (1–2.36") on pipe outer diameter   |
| Wind survivability  | 74.6 N at 200 km/h (16.8 lbf at 125 mph)    |
| Weatherproofing     | IPX6                                        |

### Hardware

|                         |                         |
|-------------------------|-------------------------|
| Networking interface    | (1) 1/2.5 GbE RJ45 port |
| Management interface    | Ethernet                |
| Power method            | PoE+                    |
| Power supply            | UniFi PoE Switch        |
| Supported voltage range | 42.5—57V DC             |
| Max. power consumption  | 19W                     |

### Max. TX power

|         |        |
|---------|--------|
| 2.4 GHz | 23 dBm |
| 5 GHz   | 26 dBm |
| 6 GHz   | —      |

### MIMO

|         |       |
|---------|-------|
| 2.4 GHz | 2 x 2 |
| 5 GHz   | 2 x 2 |
| 6 GHz   | —     |

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### Throughput rate

|         |           |
|---------|-----------|
| 2.4 GHz | 688 Mbps  |
| 5 GHz   | 4324 Mbps |
| 6 GHz   | –         |

### Antenna gain

|         |                                                       |
|---------|-------------------------------------------------------|
| 2.4 GHz | Directional internal: 8 dBi / External omni: 3 dBi    |
| 5 GHz   | Directional internal: 12.5 dBi / External omni: 4 dBi |
| 6 GHz   | –                                                     |

### Antenna beamwidth

|         |     |
|---------|-----|
| 2.4 GHz | 90° |
| 5 GHz   | 45° |
| 6 GHz   | –   |

### Antennas

- (1) Directional internal antenna
- (2) External omni antennas
- (2) RP-SMA connectors for external antenna

### LEDs

- (1) Power: white/blue
- (4) Mesh signal: blue

### Button

Factory reset

### Mounting

Wall, ceiling, pole (Included)

### Ambient operating temperature

-30 to 60° C (-22 to 140° F)

### Ambient operating humidity

5 to 95% noncondensing

### Certifications

CE, FCC, IC

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### Software

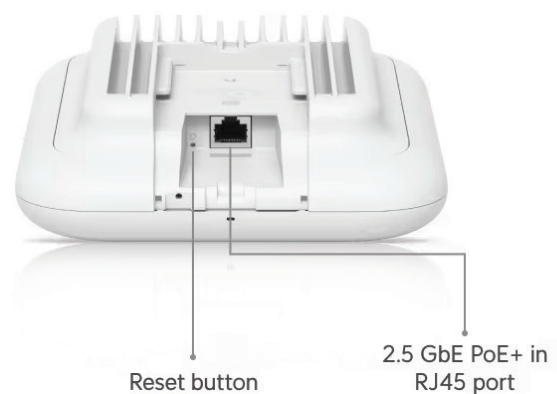
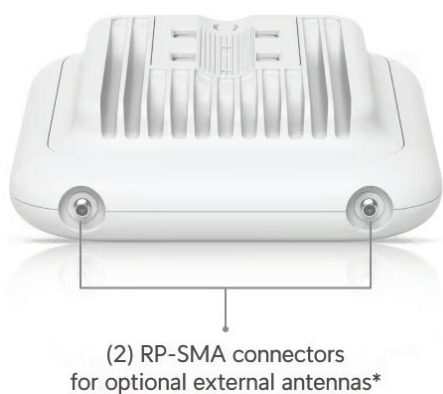
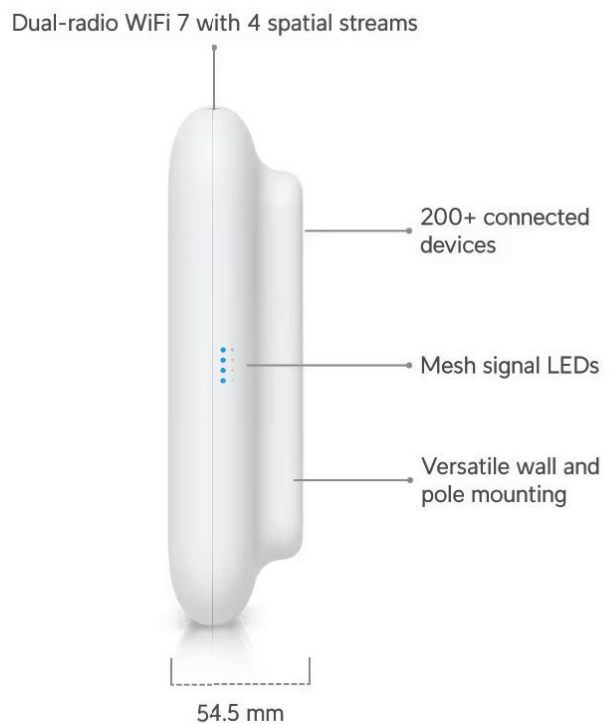
|                         |                                              |
|-------------------------|----------------------------------------------|
| WiFi standards          | 802.11a/b/g/n/ac/ax/be                       |
| Wireless security       | WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK) |
| BSSID                   | 8 per radio                                  |
| VLAN                    | 802.1Q                                       |
| Advanced QoS            | Per-user rate limiting                       |
| Guest traffic isolation | Supported                                    |
| Concurrent clients      | 200+                                         |

### 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           | 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)                    |
| 802.11ac (WiFi 5) | 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)      |
| 802.11ax (WiFi 6) | 7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)      |
| 802.11be (WiFi 7) | 7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240) |

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\*Includes external omni antennas.