UniFi | Access Point Dataseet

MIRO

# UniFi - U7 Pro Max

SKU: UB-UAP-U7-PRO-MAX



The Ubiquiti UniFi U7 PRO is a ceiling-mounted Wi-Fi 7 Access Point  with 8 spatial streams, 6 GHz support, and a dedicated spectral scanning engine for interference-free WiFi in demanding, large-scale environments.

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| | |
|---|---|
| **Mechanical** | |
| Dimensions | Ø206 x 46 mm (Ø8.1 x 1.8") |
| Weight | 680 g (1.5 lb) |
| Enclosure material | Polycarbonate, aluminum |
| Mount material | Stainless steel (SUS304), galvanized steel (SGCC) |
| | |
| **Hardware** | |
| Networking interface | (1) 1/2.5 GbE RJ45 port |
| Management interface | Ethernet |
| Power method | PoE+ |
| Power supply | UniFi PoE switch |
| Supported voltage range | 44—57V DC |
| Max. power consumption | 22W |
| | |
| Max. TX power | |
| 2.4 GHz | 23 dBm |
| 5 GHz | 29 dBm |
| 6 GHz | 23 dBm |
| | |
| MIMO | |
| 2.4 GHz | 2 x 2 |
| 5 GHz | 4 x 4 |
| 6 GHz | 2 x 2 |
| | |
| Throughput rate | |
| 2.4 GHz | 688 Mbps |
| 5 GHz | 8648 Mbps |
| 6 GHz | 5765 Mbps |

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|---|---|
| Antenna gain | |
| 2.4 GHz | 4 dBi |
| 5 GHz | 6 dBi |
| 6 GHz | 5.9 dBi |
| | |
| LEDs | White/blue |
| Button | Factory reset |
| Mounting | Wall, ceiling (Included) |
| Ambient operating temperature | -30 to 60° C (-22 to 140° F) |
| Ambient operating humidity | 5 to 95% noncondensing |
| Certifications | CE, FCC, IC |

**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 | 500+ |

**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 6/6E) | 7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160) |

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| | |
|---|---|
| 802.11be (WiFi 7) | |
| 5 GHz | 7.3 Mbps to 8.6 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240) |
| 6 GHz | 7.3 Mbps to 5.7 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240/320) |

**Application Requirements**

| | |
|---|---|
| UniFi Network | Version 8.2.93 and later |

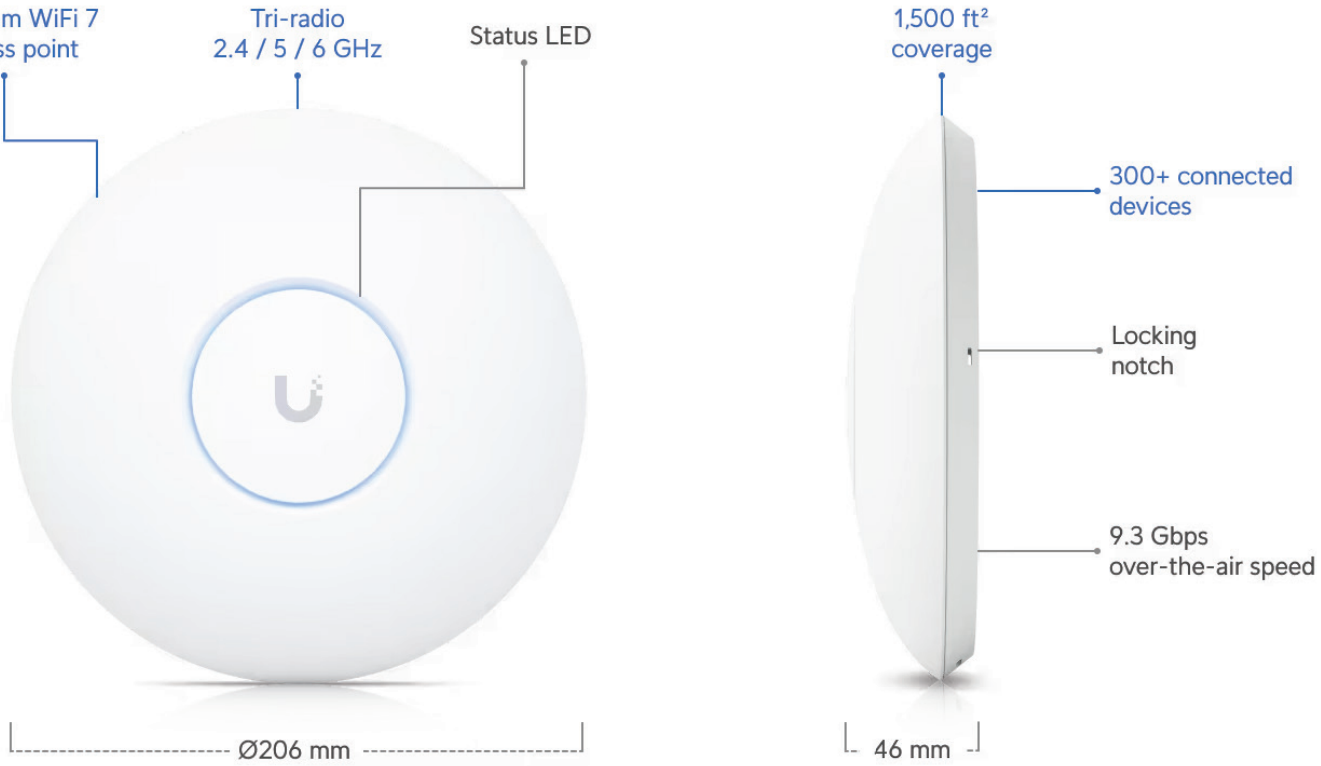
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