

# Tech Specs

UniFi UISP Branding

Switching WiFi Camera Security Door Access CloudKeys & Gateways Power Tech New Intro

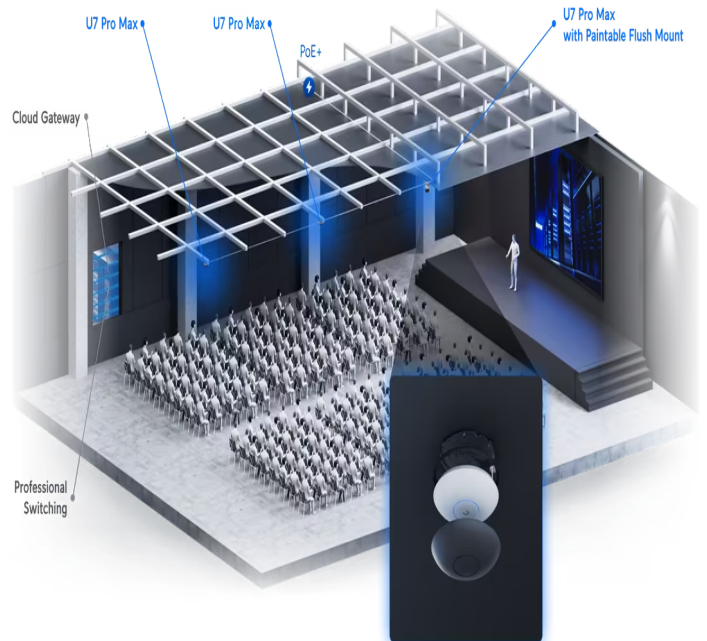
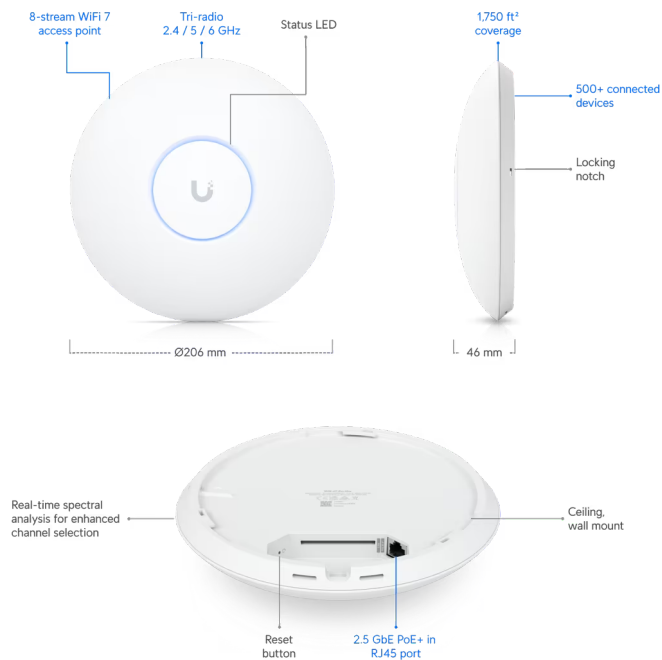
WiFi > U7 Pro Max

Datasheet

In The Box

Marketing Images

Installation Guide



## 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)

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## 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 (DL/UL MU-MIMO)        |
| 5 GHz                         | 4 x 4 (DL/UL MU-MIMO)        |
| 6 GHz                         | 2 x 2 (DL/UL MU-MIMO)        |
| Throughput rate               |                              |
| 2.4 GHz                       | 688 Mbps (BW40)              |
| 5 GHz                         | 8.6 Gbps (BW240)             |
| 6 GHz                         | 5.7 Gbps (BW320)             |
| 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                  |

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## Software

|                         |                                              |
|-------------------------|----------------------------------------------|
| WiFi standards          | 802.11a/b/g/n/ac/ax/be (WiFi 6/6E, WiFi 7)   |
| 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+                                         |

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## 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             | 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)      |
| 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) |

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## Application Requirements

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

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