



UniFi Network  
**U7 Pro** Datasheet



## 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	25W
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)
Max. data 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

<b>5 GHz</b>	6 dBi
<b>6 GHz</b>	5.9 dBi
<b>LEDs</b>	White/blue
<b>Button</b>	Factory reset
<b>Mounting</b>	Wall, ceiling (Included)
<b>Ambient operating temperature</b>	-30 to 60° C (-22 to 140° F)
<b>Ambient operating humidity</b>	5 to 95% noncondensing
<b>Certifications</b>	CE, FCC, IC
<b>Software</b>	
<b>WiFi standards</b>	802.11a/b/g/n/ac/ax/be (WiFi 6/6E, WiFi 7)
<b>Wireless security</b>	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)
<b>BSSID</b>	8 per radio
<b>VLAN</b>	802.1Q
<b>Advanced QoS</b>	Per-user rate limiting
<b>Guest traffic isolation</b>	Supported
<b>Concurrent clients</b>	500+
<b>Supported Data Rates</b>	
<b>802.11a</b>	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11b</b>	1, 2, 5.5, 11 Mbps
<b>802.11g</b>	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11n</b>	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)

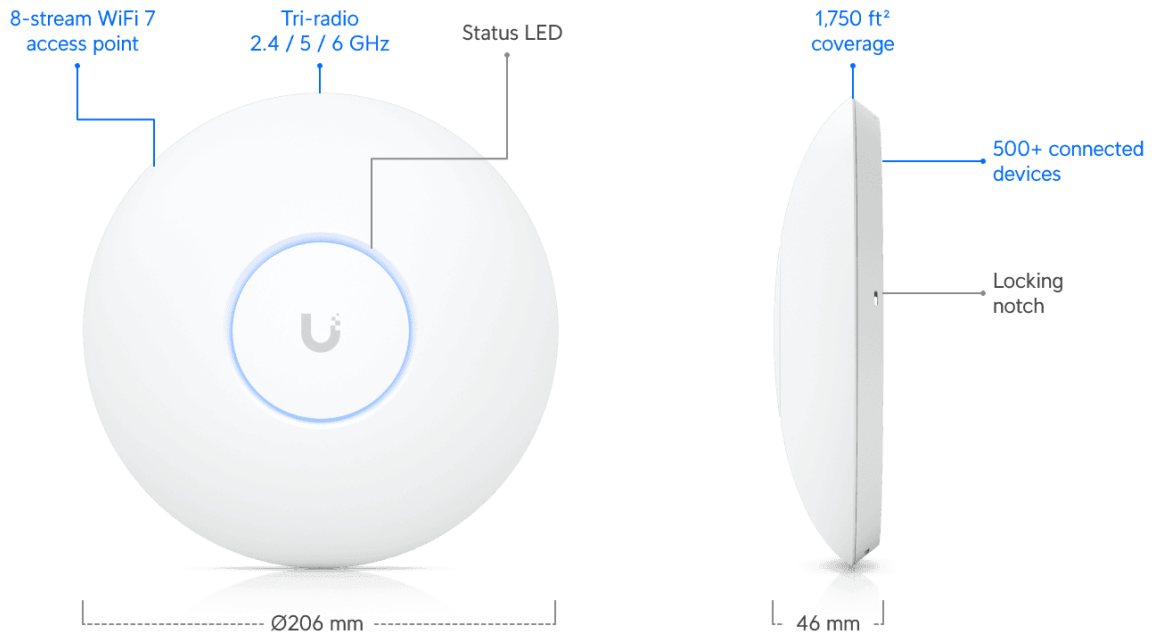
**802.11ac** 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)

**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)

## **Application Requirements**

**UniFi Network** Version 8.2.93 and later



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