



# U7 Pro Max

U7-Pro-Max



## Mechanical

<b>Dimensions</b>	Ø206 x 46 mm (Ø8.1 x 1.8")
<b>Weight</b>	680 g (1.5 lb)
<b>Enclosure material</b>	Polycarbonate, aluminum
<b>Mount material</b>	Stainless steel (SUS304), galvanized steel (SGCC)

## Hardware

<b>Networking interface</b>	(1) 1/2.5 GbE RJ45 port
<b>Management interface</b>	Ethernet
<b>Power method</b>	PoE+
<b>Power supply</b>	UniFi PoE switch
<b>Supported voltage range</b>	44—57V DC
<b>Max. power consumption</b>	25W

<b>Max. TX power</b>	
2.4 GHz	23 dBm
5 GHz	29 dBm
6 GHz	23 dBm
<b>MIMO</b>	
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)

<b>Max. data rate</b>	
2.4 GHz	688 Mbps (BW40)
5 GHz	8.6 Gbps (BW240)
6 GHz	5.7 Gbps (BW320)

<b>Antenna gain</b>	
2.4 GHz	4 dBi
5 GHz	6 dBi
6 GHz	5.9 dBi

**LEDs** White/blue

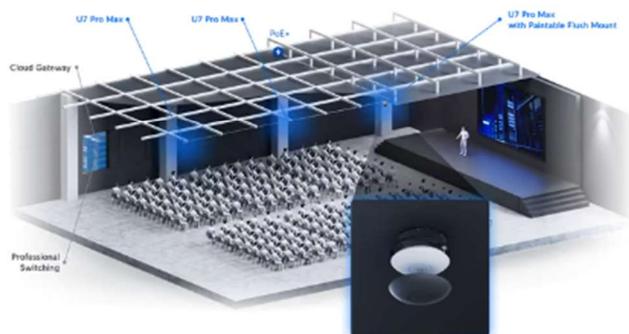
**Button** Factory reset

**Mounting** Wall, ceiling (Included)

**Ambient operating temperature** -30 to 50° C (-22 to 122° F)

**Ambient operating humidity** 5 to 95% noncondensing

**Certifications** CE, FCC, IC



Wireless

standards

802.11ax, 802.11be

802.11ax, 802.11be, 802.11n, 802.11ac, 802.11k

802.11a, 802.11b, WPA-Enterprise, WPA, WPA2, WPA3



# U7 Pro Max

U7-Pro-Max

Software	Mechanical
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+

## 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)

## Application Requirements

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