

Q U7-Pro-Max

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

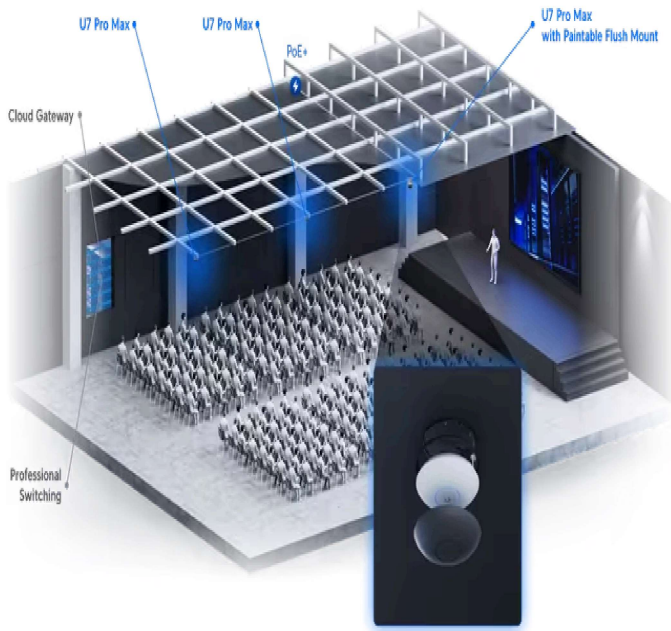
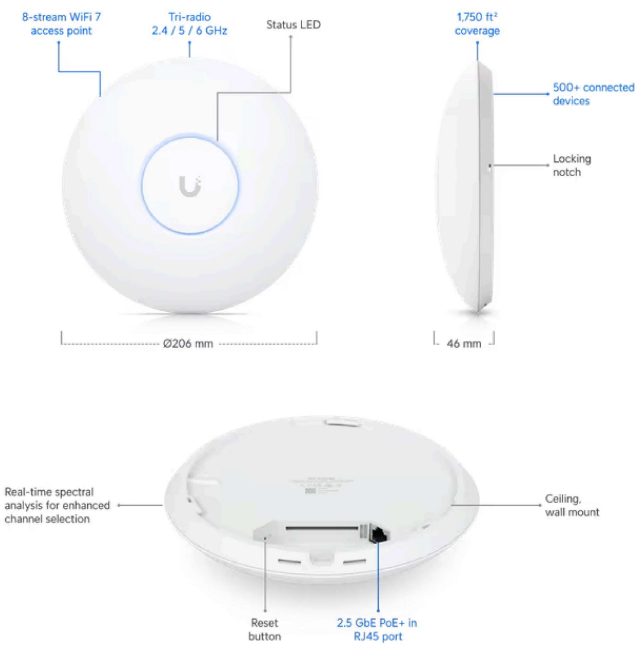
Flagship > U7 Pro Max

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)

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
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

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+

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
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