

U7 Pro Max

U7-Pro-Max

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
Power method	PoE+
Power supply	UniFi PoE switch
Supported voltage range	44—57V DC
Max. power consumption	25W
Max. TX power2.4 GHz5 GHz6 GHz	23 dBm29 dBm23 dBm
MIMO2.4 GHz5 GHz6 GHz	2 x 2 (DL/UL MU-MIMO)4 x 4 (DL/UL MU-MIMO)2 x 2 (DL/UL MU-MIMO)
Max. data rate2.4 GHz5 GHz6 GHz	688 Mbps (BW40)8.6 Gbps (BW240)5.7 Gbps (BW320)
Antenna gain2.4 GHz5 GHz6 GHz	4 dBi6 dBi5.9 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 6 GHz	7.3 Mbps to 8.6 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240) 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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