



U7 Pro XG

Overview

Dimensions : Ø206 x 32.5 mm
(Ø8.1 x 1.3")

WiFi Standard : WiFi 7

Spatial Streams : 6

Coverage Area : 140 m² (1,500 ft²)

Max. Client Count : 300+

Uplink : 10 GbE

Mounting : Ceiling, Wall (Lite Mount Included)

Power Method : PoE+

Performance

MIMO : 6 GHz: 2 x 2 (DL/UL MU-MIMO)

5 GHz: 2 x 2 (DL/UL MU-MIMO)

2.4 GHz: 2 x 2 (DL/UL MU-MIMO)

Max. Data Rate : 6 GHz: 5.8 Gbps (BW320)

5 GHz: 4.3 Gbps (BW240)

2.4 GHz: 688 Mbps (BW40)

Antenna Gain : 6 GHz: 6 dBi

5 GHz: 5 dBi

2.4 GHz: 4 dBi



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Max. TX Power : 6 GHz: 24 dBm

5 GHz: 26 dBm

2.4 GHz: 23 dBm

Max. BSSIDs : 8 per Radio

Supported Data Rates : 802.11be (WiFi 7):

6 GHz: 7.3 Mbps to 5.8 Gbps (MCS0 - MCS13 NSS1/2, EHT
20/40/80/160/320)

5 GHz: 7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT
20/40/80/160/240)

802.11ax (WiFi 6): 7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2,
HE 20/40/80/160)

802.11ac (WiFi 5): 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2,
VHT 20/40/80/160)

802.11n: 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)

Features

Wireless Meshing : ✓

Band Steering : ✓

802.11v BSS Transition Management : ✓

802.11r Fast Roaming : ✓

802.11k Radio Resource Management (RRM) : ✓



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Advanced Radio Management : ✓

Passpoint (Hotspot 2.0) : ✓

Captive Hotspot Portal : Custom Branding Landing Page: ✓

Voucher Authentication: ✓

Payment-Based Authentication: ✓

External Portal Server Support: ✓

Password Authentication: ✓

Guest Network Isolation: ✓

Private Pre-Shared Key (PPSK) : ✓

WiFi Speed Limiting : ✓

Client Device Isolation : ✓

WiFi Schedules : ✓

RADIUS over TLS (RadSec) : ✓

Dynamic RADIUS-assigned VLAN : ✓

Hardware

Max. Power Consumption : 22W

Supported Voltage Range : 42.5—57V DC

Networking Interface : (1) 10 GbE RJ45 port

Weight : 750 g (1.7 lb)

Management : Ethernet

Enclosure Material : UV-stabilized polycarbonate, aluminum alloy



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Mount Material : Stainless steel (SUS304), galvanized steel (SGCC)

LEDs : System: White/Blue

Channel Bandwidth : HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)

NDAA Compliant : ✓

Certifications : CE, FCC, IC

Operating Frequency : US/CA: 2400 - 2472 MHz

U-NII-1: 5150 - 5250 MHz

U-NII-2A: 5250 - 5350 MHz

U-NII-2C: 5470 - 5725 MHz

U-NII-3: 5725 - 5850 MHz

U-NII-5 to U-NII-8 : 5925 - 7125 MHz

Worldwide:

2400 - 2483.5 MHz

5150 - 5725 MHz

5925 - 7125 MHz

Ambient Operating Temperature : -30 to 40° C (-22 to 104° F)

Ambient Operating Humidity : 5 to 95% noncondensing

Software

Application Requirements : UniFi Network: Version 9.0.114 and later (U7 Pro XG - White) Version 9.1.120 and later (U7 Pro XG - Black)