



## U7 Pro XGS

### Overview

Dimensions :	Ø215 x 32.5 mm (Ø8.5 x 1.3")
WiFi Standard :	WiFi 7
Spatial Streams :	8
Coverage Area :	160 m <sup>2</sup> (1,750 ft <sup>2</sup> )
Max. Client Count :	500+
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: 4 x 4 (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: 8.6 Gbps (BW240) 2.4 GHz: 688 Mbps (BW40)
Antenna Gain :	6 GHz: 6 dBi 5 GHz: 6 dBi 2.4 GHz: 4 dBi
Max. TX Power :	6 GHz: 24 dBm 5 GHz: 29 dBm 2.4 GHz: 23 dBm



## U7 Pro XGS

Max. BSSIDs : 8 per Radio

Supported Data Rates :

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 8.6 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT  
20/40/80/160/240)

802.11ax (WiFi 6): 7.3 Mbps to 4.8 Gbps (MCS0 - MCS11  
NSS1/2/3/4, HE 20/40/80/160)

802.11ac (WiFi 5): 6.5 Mbps to 3.4 Gbps (MCS0 - MCS9  
NSS1/2/3/4, VHT 20/40/80/160)

802.11n: 6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)

Features

Wireless Meshing : ✓

Band Steering : ✓

802.11v BSS Transition Management : ✓

802.11r Fast Roaming : ✓

802.11k Radio Resource Management (RRM) : ✓

Zero-Wait DFS : ✓



## U7 Pro XGS

- Advanced Radio Management : ✓
- Real-Time Spectral Analysis : ✓
- 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 : 29W
- Supported Voltage Range : 42.5—57V DC
- Networking Interface : (1) 10 GbE RJ45 port
- Weight : 800 g (1.8 lb)
- Management : Ethernet
- Enclosure Material : UV-stabilized polycarbonate, aluminum alloy
- Mount Material : Stainless steel (SUS304), galvanized steel (SGCC)



## U7 Pro XGS

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 XGS - White)

Version 9.1.120 and later (U7 Pro XGS - Black)