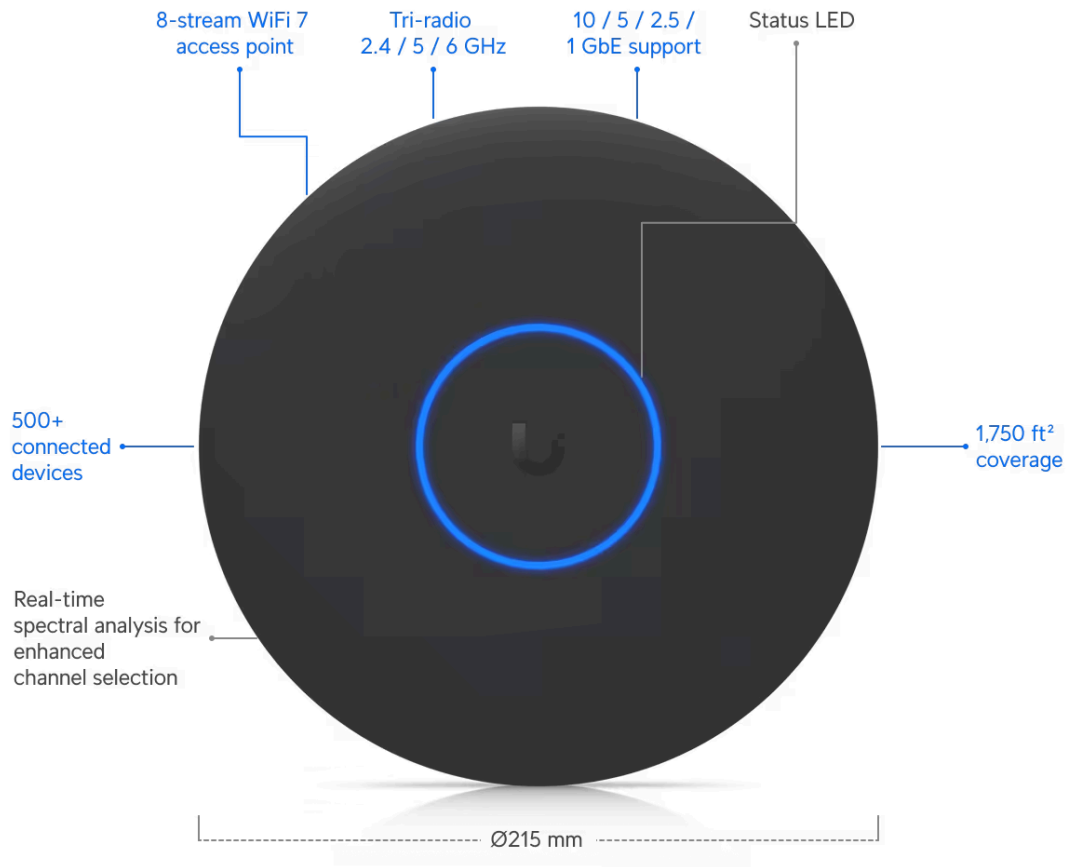




U7 Pro XGS

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 ² (1,750 ft ²)
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

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 8.6 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240)
- 802.11ax (WiFi 6/6E) 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 | ✓ |
| 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)
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
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)