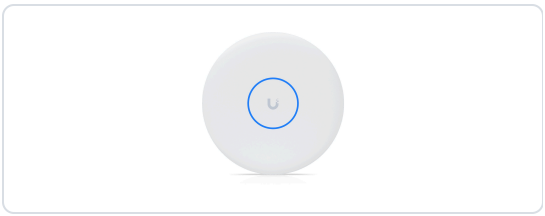
U7 Pro XGS

SL-U7-Pro-XGS WIRELESS ACCESS POINT

Ceiling-mounted 8-stream WiFi 7 AP with dedicated spectral scanning radio and 10/5/2.5/1 GbE support.









Available as: SL-U7-Pro-XGS-B-US, SL-U7-Pro-XGS-US

OVERVIEW

Dimensions	⌀215 × 32.5 mm (⌀8.5 × 1.3")
WiFi Standard	WiFi 7 *With 6 GHz support*
Spatial Streams	8
Coverage Area	160 m² (1,750 ft²)
Max. Client Count	500+
Uplink	10 GbE
Mounting	Ceiling, Wall (Lite Mount Included)
Power Method	PoE++

PERFORMANCE

MIMO	

6 GHz	2 × 2 (DL/UL MU-MIMO)
5 GHz	4 × 4 (DL/UL MU-MIMO)
2.4 GHz	2 × 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)	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	✓ Yes
Band Steering	✓ Yes
802.11v BSS Transition Management	✓ Yes
802.11r Fast Roaming	✓ Yes
802.11k Radio Resource Management (RRM)	✓ Yes
Zero-Wait DFS	✓ Yes
Advanced Radio Management	✓ Yes
Real-Time Spectral Analysis	✓ Yes *For enhanced channel selection*

Passpoint (Hotspot 2.0)	✓ Yes
Captive Hotspot Portal	
Custom Branding Landing Page	✓ Yes
Voucher Authentication	✓ Yes
Payment-Based Authentication	✓ Yes
External Portal Server Support	✓ Yes
Password Authentication	✓ Yes
Guest Network Isolation	✓ Yes
Private Pre-Shared Key (PPSK)	✓ Yes
WiFi Speed Limiting	✓ Yes
Client Device Isolation	✓ Yes
WiFi Schedules	✓ Yes
RADIUS over TLS (RadSec)	✓ Yes
Dynamic RADIUS-assigned VLAN	✓ Yes

HARDWARE

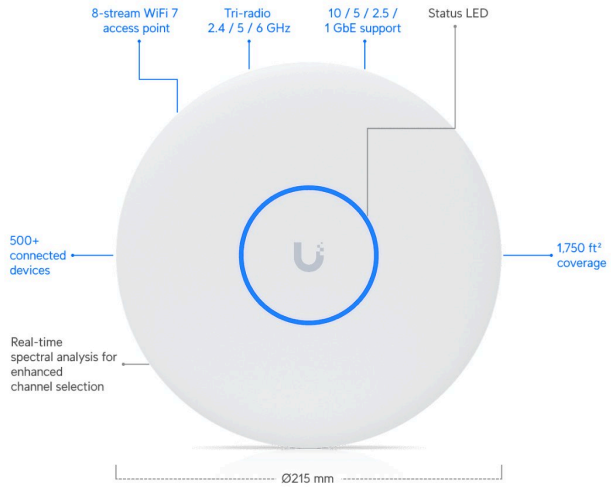
Max. Power Consumption	29W
Supported Voltage Range	42.5–57V DC
Networking Interface	(1) 10 GbE RJ45 port
Weight	800 g (1.8 lb)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Stainless steel (SUS304), galvanized steel (SGCC)
LEDs	
System	White/Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)

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 - 5850 MHz 5925 - 7125 MHz *For worldwide, it depends on the regulatory region*
Ambient Operating Temperature	-30 to 40° C (-22 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓ Yes
Certifications	CE, FCC, IC, Anatel: 05123-25-08356

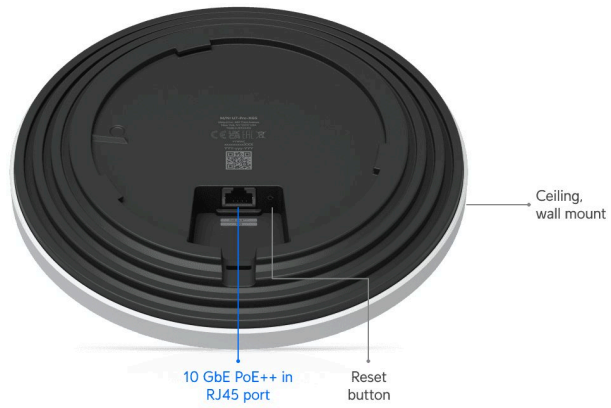
SOFTWARE

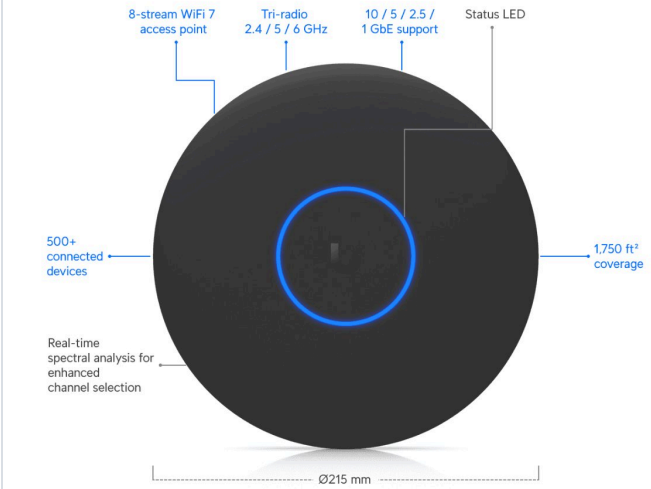
Application Requirements	
Network application	Version 9.0.114 and later (U7 Pro XGS - White) Version 9.1.120 and later (U7 Pro XGS - Black)

PRODUCT DRAWINGS









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