U7 Pro

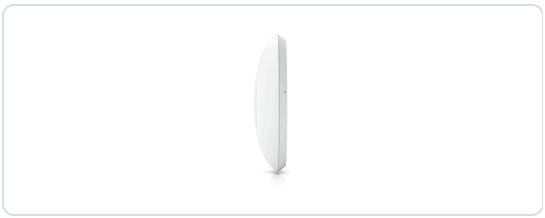
SL-U7-Pro

WIRELESS ACCESS POINT

Ceiling-mounted WiFi 7 AP with 6 spatial streams and 6 GHz support for interference-free WiFi in demanding, large-scale environments.









Available as: SL-U7-Pro-US, SL-U7-Pro-5-US

OVERVIEW

Dimensions	⌀206 × 46 mm (⌀8.1 × 1.8")
WiFi Standard	WiFi 7 *With 6 GHz support*
Spatial Streams	6
Coverage Area	140 m² (1,500 ft²)
Max. Client Count	300+
Uplink	2.5 GbE
Mounting	Ceiling, Wall (Pro Mount Included)
Power Method	PoE+

PERFORMANCE

MIMO	

6 GHz	2 × 2 (DL/UL MU-MIMO)
5 GHz	2 × 2 (DL/UL MU-MIMO)
2.4 GHz	2 × 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	5.8 dBi
5 GHz	6 dBi
2.4 GHz	4 dBi
Max. TX Power	
6 GHz	23 dBm
5 GHz	26 dBm
2.4 GHz	23 dBm
Max. BSSIDs	8 per Radio
Supported Data Rates	
802.11be (WiFi 7)	7.3 Mbps to 5.8 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240/320)
802.11ax (WiFi 6/6E)	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	✓ Yes
Band Steering	✓ Yes
802.11v BSS Transition Management	✓ Yes
802.11r Fast Roaming	✓ Yes
802.11k Radio Resource Management (RRM)	✓ Yes
Advanced Radio Management	✓ Yes
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	21W
Supported Voltage Range	44–57V DC
Networking Interface	(1) 1/2.5 GbE RJ45 port
Weight	680 g (1.5 lb)
Management	Ethernet
Enclosure Material	Polycarbonate, metal
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

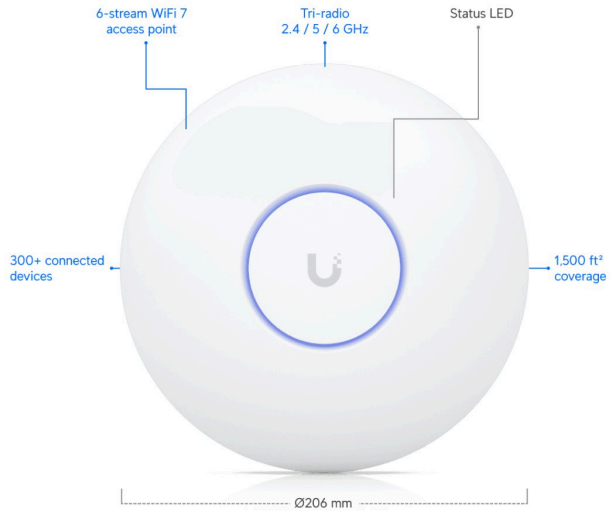
Certifications	CE, FCC, IC, Anatel: 06370-24-08356

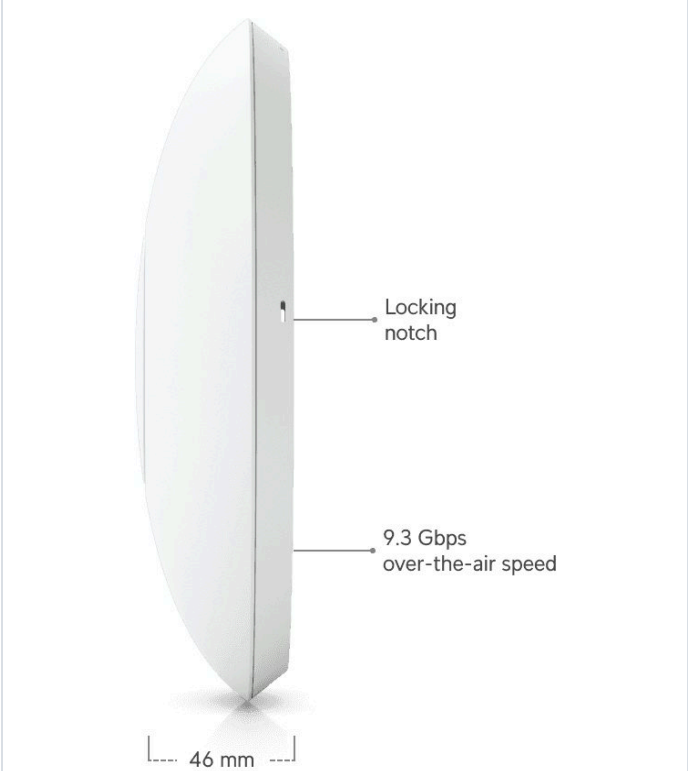
SOFTWARE

Application Requirements

Network application	Version 8.0.28 and later

PRODUCT DRAWINGS







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