U7 In-Wall

SL-U7-IW

WIRELESS ACCESS POINT

Wall-mounted WiFi 7 AP with 4 spatial streams and an integrated 2.5 GbE PoE switch designed for hospitality environments.







OVERVIEW

Dimensions	137 × 98.7 × 30.2 mm (5.4 × 3.9 × 1.2")
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	115 m² (1,250 ft²)
Max. Client Count	200+
Uplink	2.5 GbE
Mounting	Wall (Metal Wall Mount Included)
Power Method	PoE PoE+ (Required for PoE output)

PERFORMANCE

MIMO

5 GHz	2 × 2 (DL/UL MU-MIMO)
2.4 GHz	2 × 2 (DL/UL MU-MIMO)
Max. Data Rate	
5 GHz	4.3 Gbps (BW240) *Depends on regulatory region*
2.4 GHz	688 Mbps (BW40)
Antenna Gain	
5 GHz	8 dBi
2.4 GHz	4 dBi
Max. TX Power	
5 GHz	24 dBm
2.4 GHz	23 dBm
Max. BSSIDs	8 per Radio
Supported Data Rates	
802.11be (WiFi 7)	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240) *Depends on regulatory region*
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	✓ 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

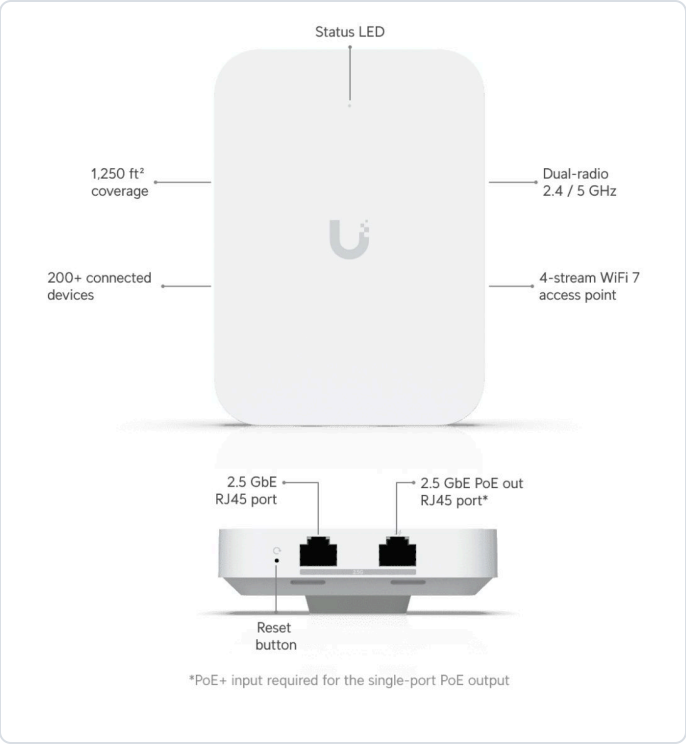
HARDWARE

Max. Power Consumption	13W (Excluding PoE output)
Supported Voltage Range	42.5–57V DC
Networking Interface	(3) 2.5 GbE RJ45 ports
Weight	400 g (14.1 oz)
Management	Ethernet
Built-In Switch	(1) PoE+ input and (1) PoE output
Enclosure Material	Polycarbonate, aluminum alloy
Mount Material	Aluminum alloy
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 (MHz)
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, SRRC, Anatel: 03909-25-08356

SOFTWARE

Application Requirements	
Network application	Version 9.0.114 and later
Mobile App	iOS™ version 10.20.2 and later Android™ version 10.21.7 and later

PRODUCT DRAWINGS





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