E7 Audience

SL-E7-Audience

WIRELESS ACCESS POINT

Enterprise-grade, indoor/outdoor access point designed for high-density environments with 12-stream 5 GHz and 6 GHz WiFi 7 performance, a 10 GbE uplink, and a redundant GbE port for high availability.









OVERVIEW

Dimensions	Device: 474.1 × 265.5 × 42.2 mm (18.7 × 10.5 × 1.7") Bracket: 150.4 × 113.6 × 125 mm (5.9 × 4.5 × 4.9")
WiFi Standard	WiFi 7 *With 6 GHz support*
Spatial Streams	12
Coverage Area	465 m² (5,000 ft²)
Max. Client Count	1500+
Uplink	10 GbE 1 GbE
Mounting	Wall, Pole (Mounts Included) VESA (Optional)
Weatherproofing	IP68

Power Method	PoE++

PERFORMANCE

MIMO	
6 GHz	Low Band: 4 × 4 (DL/UL MU-MIMO) High Band: 4 × 4 (DL/UL MU-MIMO)
5 GHz	4 × 4 (DL/UL MU-MIMO)
Max. Data Rate	
6 GHz	Low Band: 11.5 Gbps (BW320) High Band: 11.5 Gbps (BW320)
5 GHz	8.6 Gbps (BW240)
Antenna Gain	
6 GHz	Directional internal: 15 dBi, 50° x 50° Directional internal: 11 dBi, 90° x 90°
5 GHz	Directional internal: 15 dBi, 50° x 50° Directional internal: 11 dBi, 90° x 90°
Max. TX Power	
6 GHz	Low Band: 30 dBm (36 dBm EIRP) High Band: 30 dBm (36 dBm EIRP) *With 6 GHz Extended Range mode. Available in FCC/IC region only.*
5 GHz	30 dBm
Max. BSSIDs	8 per Radio
Supported Data Rates	
802.11be (WiFi 7)	7.3 Mbps to 11.5 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240/320)
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

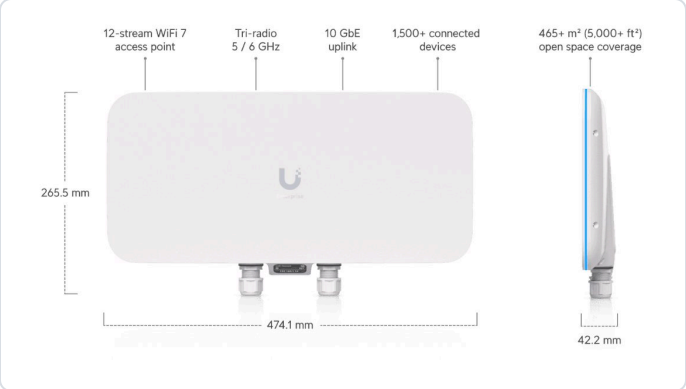
Max. Power Consumption	51W
Supported Voltage Range	42.5–57V DC
Networking Interface	(1) 10 GbE RJ45 port (1) GbE RJ45 port
PRISM™ RF Filtering	✓ Yes
Weight	Device: 3.3 kg (7.3 lb) With mount: 4.3 kg (9.5 lb)
Wind Loading	164.75 N at 200 km/h (37 lbf at 125 mph)
Pole Mount Diameter	1–3" (25–76 mm)
Antennas	(1) Internal with directional patterns
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Aluminum alloy
LEDs	

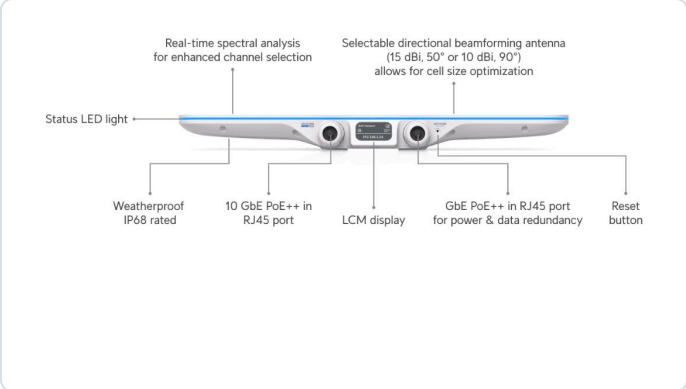
System	R/G/B
Channel Bandwidth	VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)
Operating Frequency	US/CA: U-NII-1: 5150 - 5250 MHz U-NII-2A: 5250 - 5350 MHz U-NII-2C: 5470 - 5725 MHz U-NII-3: 5725 - 5850 MHz U-NII-5 and U-NII-7: 5925 - 6425 MHz, 6525 - 6875 MHz Worldwide: 5150 - 5850 MHz 5925 - 7125 MHz *For worldwide, it depends on the regulatory region*
Ambient Operating Temperature	-40 to 60° C (-40 to 140° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓ Yes
Certifications	FCC, IC

SOFTWARE

Application Requirements	
Network application	Version 9.2.87 and later
Mobile App	iOS™ version 10.24.1 and later Android™ version 10.25.2 and later

PRODUCT DRAWINGS





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