

Q

E7-AUDIENCE

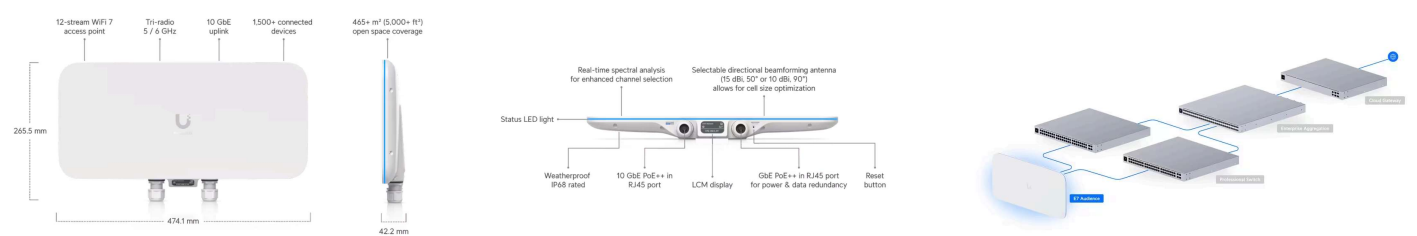
Enterprise > E7 Audience

Datasheet

In The Box

Marketing Images

Installation Guide



Overview

	Device: 474.1 x 265.5 x 42.2 mm (18.7 x 10.5 x 1.7")	
Dimensions	Bracket: 150.4 x 113.6 x 125 mm (5.9 x 4.5 x 4.9")	
WiFi Standard	WiFi 7	
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 x 4 (DL/UL MU-MIMO)
High Band: 4 x 4 (DL/UL MU-MIMO)

5 GHz

4 x 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)

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	✓
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	51W
Supported Voltage Range	42.5—57V DC



Networking Interface	(1) 10 GbE RJ45 port (1) GbE RJ45 port
PRISM™ RF Filtering	✓
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)
NDAA Compliant	✓
Certifications	FCC, IC
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
Ambient Operating Temperature	Worldwide: 5150 - 5725 MHz 5925 - 7125 MHz
Ambient Operating Humidity	-40 to 60° C (-40 to 140° F) 5 to 95% noncondensing

[^] Software

Application Requirements

UniFi Network	Version 9.2.87 and later
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Mobile App

iOS™ version 10.24.1 and later
Android™ version 10.25.2 and later

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