



# E7 Audience

North America

Worldwide

E7-Audience-US

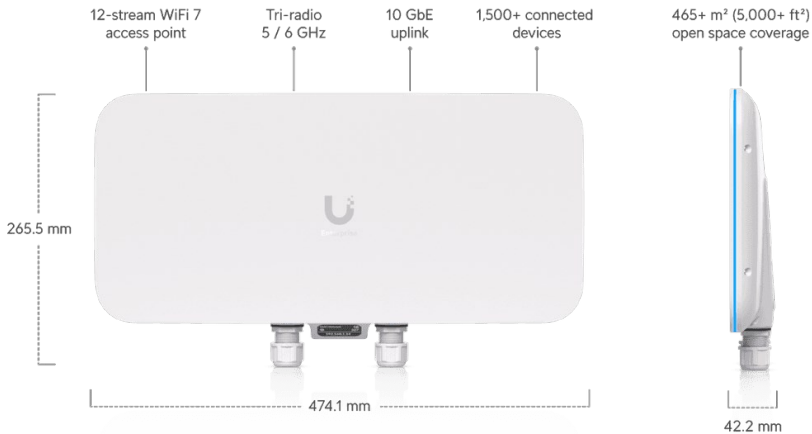
Datasheet

In The Box

Marketing Images

Accessories

Installation Guide



## Overview

Dimensions

Device: 474.1 x 265.5 x 42.2 mm  
(18.7 x 10.5 x 1.7")

WiFi Standard

WiFi 7 ●

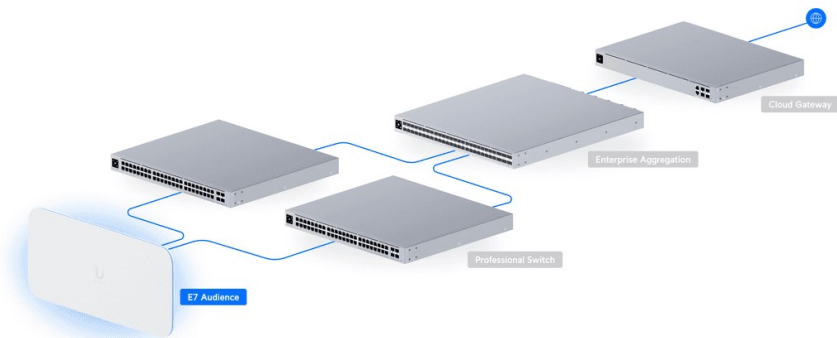
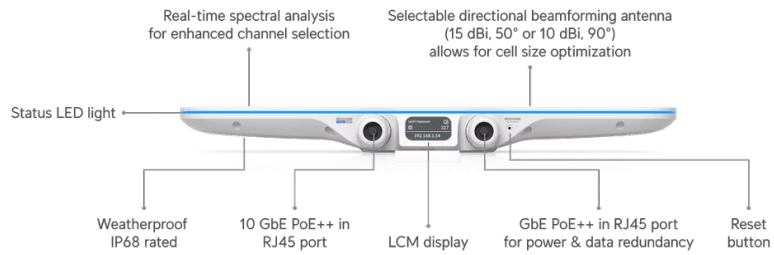
Spatial Streams

12

Coverage Area

465 m<sup>2</sup> (5,000 ft<sup>2</sup>)

Bracket: 150.4 x 113.6 x 125 mm  
(5.9 x 4.5 x 4.9")



Max. Client Count	1500+
Uplink	10 GbE 1 GbE
Mounting	Wall, Pole (Mounts Included) VESA (Optional)
Weatherproofing	IP68
Power Method	PoE++

### ^ Performance

MIMO	Low Band: 4 x 4 (DL/UL MU-MIMO) High Band: 4 x 4 (DL/UL MU-MIMO)  4 x 4 (DL/UL MU-MIMO)
Max. Data Rate	Low Band: 11.5 Gbps (BW320) High Band: 11.5 Gbps (BW320)  8.6 Gbps (BW240)
Antenna Gain	Directional internal: 15 dBi, 50° x 50° Directional internal: 11 dBi, 90° x 90°  Directional internal: 15 dBi, 50° x 50° Directional internal: 11 dBi, 90° x 90°
Max. TX Power	Low Band: 30 dBm

6 GHz	(36 dBm EIRP)
5 GHz	High Band: 30 dBm (36 dBm EIRP) ●
	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 ✓

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#### ^ **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)
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

Ambient Operating Temperature

-40 to 60° C (-40 to 140° F)

Ambient Operating Humidity

5 to 95% noncondensing

NDAA Compliant

✓

Certifications

FCC, IC

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## ^ Software

### Application Requirements

UniFi Network

Version 9.2.87 and later

Mobile App

iOS™ version 10.24.1 and later

Android™ version 10.25.2 and later

## Company

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