



## Wi-Fi / Enterprise E7 Audience



### ^ Overview

Dimensions	Device: 474.1 x 239.4 x 42.2 mm (18.7 x 9.4 x 1.7")  Bracket: 150.4 x 113.6 x 125 mm (5.9 x 4.5 x 4.9")
WiFi Standard	WiFi 7 <a href="#">i</a>
Spatial Streams	12
Coverage Area	465 m <sup>2</sup> (5,000 ft <sup>2</sup> )
Max. Client Count	1500+
Uplink	10 GbE 1 GbE
Mounting	Wall, Pole (Mounts Included), VESA (Optional)
Power Method	PoE++

## ^ Performance

### MIMO

6 GHz	Low Band: 4 x 4 (DL/UL MU-MIMO) Full 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) Full 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 ⓘ Full Band: 30 dBm
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) ✓

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: 3.2 kg (7.1 lb) With mount: 4.2 kg (9.3 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	CE
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
Mobile App	iOS™ version 10.24.1 and later Android™ version 10.25.2 and later

