

UniFi UISP Branding

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Switching WiFi Camera Security Door Access Integrations Advanced Hosting

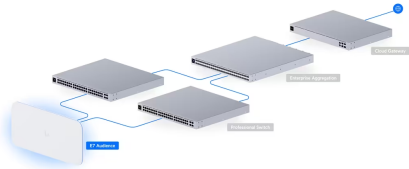
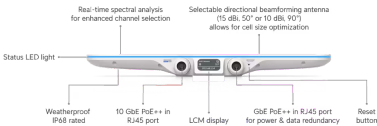
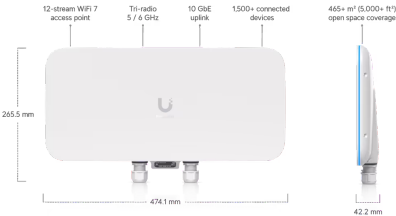
Enterprise > E7 Audience

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 Worldwide: 5150 - 5725 MHz 5925 - 7125 MHz
Ambient Operating Temperature	-40 to 60° C (-40 to 140° F)
Ambient Operating Humidity	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

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