

# UniFi

## DATASHEET

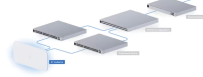
### E7-Audience

Datasheet

In The Box

Marketing Images

Installation Guide



#### Overview

|                   |                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------|
| Dimensions        | Device: 474.1 x 265.5 x 42.2 mm<br>(18.7 x 10.5 x 1.7")<br><br>Bracket: 150.4 x 113.6 x 125 mm<br>(5.9 x 4.5 x 4.9") |
| WiFi Standard     | WiFi 7                                                                                                               |
| Spatial Streams   | 12                                                                                                                   |
| Coverage Area     | 465 m <sup>2</sup> (5,000 ft <sup>2</sup> )                                                                          |
| Max. Client Count | 1500+                                                                                                                |
| Uplink            | 10 GbE<br>1 GbE                                                                                                      |
| Mounting          | Wall, Pole (Mounts Included)<br>VESA (Optional)                                                                      |
| Weatherproofing   | IP68                                                                                                                 |
| Power Method      | PoE++                                                                                                                |

#### Performance

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| MIMO                 |                                                                                    |
| 6 GHz                | Low Band: 4 x 4 (DL/UL MU-MIMO)<br>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)<br>High Band: 11.5 Gbps (BW320)                        |
| 5 GHz                | 8.6 Gbps (BW240)                                                                   |
| Antenna Gain         |                                                                                    |
| 6 GHz                | Directional internal: 15 dBi, 50° x 50°<br>Directional internal: 11 dBi, 90° x 90° |
| 5 GHz                | Directional internal: 15 dBi, 50° x 50°<br>Directional internal: 11 dBi, 90° x 90° |
| Max. TX Power        |                                                                                    |
| 6 GHz                | Low Band: 30 dBm<br>(36 dBm EIRP)<br><br>High Band: 30 dBm<br>(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<br>(1) GbE RJ45 port              |
| PRISM™ RF Filtering     | ✓                                                      |
| Weight                  | Device: 3.3 kg (7.3 lb)<br>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:<br>U-NII-1: 5150 - 5250 MHz<br>U-NII-2A: 5250 - 5350 MHz<br>U-NII-2C: 5470 - 5725 MHz<br>U-NII-3: 5725 - 5850 MHz<br>U-NII-5 and U-NII-7: 5925 - 6425 MHz, 6525 - 6875 MHz<br><br>Worldwide:<br>5150 - 5725 MHz<br>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<br>Android™ version 10.25.2 and later |