⌃ Overview

Dimensions	170 x 208 x 54.5 mm (6.7 x 8.2 x 2.1")
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	465 m² (5,000 ft²)
Max. Client Count	250+
Uplink	2.5 GbE
Mounting	Wall, Pole (Mounts Included)
Weatherproofing	IPX6
Power Method	PoE+

⌃ Performance

MIMO

5 GHz	2 x 2 (DL/UL MU-MIMO)
2.4 GHz	2 x 2 (DL/UL MU-MIMO)

Max. Data Rate

5 GHz	4.3 Gbps (BW240)
2.4 GHz	688 Mbps (BW40)

Antenna Gain

5 GHz	Directional internal: 12.5 dBi, 45° x 45° External omni: 4 dBi, 360° x 30°
2.4 GHz	Directional internal: 8 dBi, 90° x 90° External omni: 3 dBi, 360° x 30°

Max. TX Power

5 GHz	26 dBm
2.4 GHz	23 dBm

Max. BSSIDs	8 per Radio
Supported Data Rates	
802.11be (WiFi 7)	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, 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	✓
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	19W
Supported Voltage Range	42.5—57V DC
Networking Interface	(1) 1/2.5 GbE RJ45 port
Weight	1.2 kg (2.6 lb)
Wind Loading	74.6 N at 200 km/h (16.8 lbf at 125 mph)
Pole Mount Diameter	1–2.36" (25–60 mm)
Antennas	(1) Directional internal antenna (2) External omni antennas (2) RP-SMA connectors for external antenna
Antenna beamwidth	
5 GHz	45°
2.4 GHz	90°
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Polycarbonate, SGCC steel
LEDs	
System	(1) Power: White/Blue (1) System: White/Blue (4) Mesh Signal: Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240 (MHz)
NDAA Compliant	✓
Certifications	CE, FCC, IC, Anatel: 08999-24-08356
Operating Frequency	US/CA: 2400 - 2472 MHz U-NII-1: 5150 - 5250 MHz U-NII-2A: 5250 - 5350 MHz U-NII-2C: 5470 - 5725 MHz U-NII-3: 5725 - 5850 MHz Worldwide: 2400 - 2483.5 MHz 5150 - 5725 MHz

Ambient Operating Temperature · -30 to 60° C (-22 to 140° F)

Ambient Operating Humidity · 5 to 95% noncondensing

⌃ Software

Application Requirements

    UniFi Network · Version 8.2.93 and later